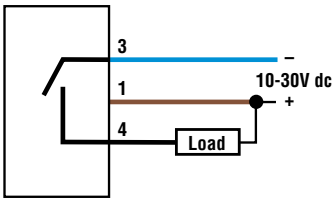
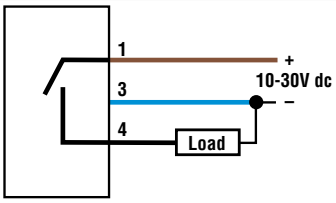
DC Hookups

DC01 Current Sinking (NPN)



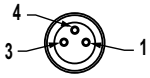
Current Sourcing (PNP)



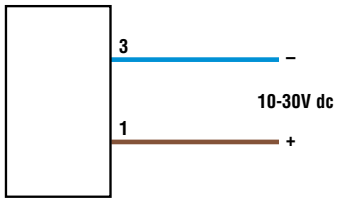
Key

1 = Brown
3 = Blue
4 = Black

3-Pin Pico



DC02 Emitter

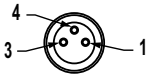


Key

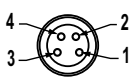
1 = Brown
2 = White†
3 = Blue
4 = Black†

† Not Used

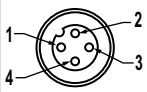
3-Pin Pico



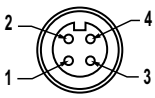
4-Pin Pico



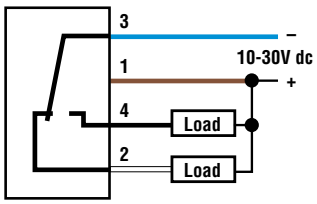
4-Pin Euro



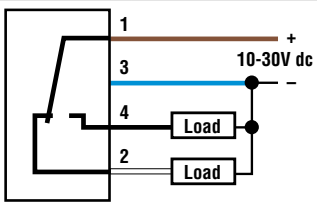
4-Pin Mini



DC03 Complementary Current Sinking (NPN)



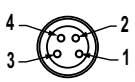
Complementary Current Sourcing (PNP)



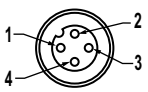
Key

1 = Brown
2 = White
3 = Blue
4 = Black

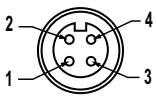
4-Pin Pico



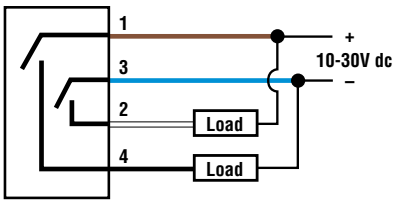
4-Pin Euro



4-Pin Mini



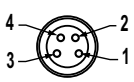
DC04 Bipolar (NPN + PNP)



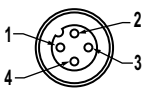
Key

1 = Brown
2 = White
3 = Blue
4 = Black

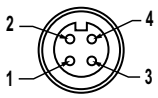
4-Pin Pico



4-Pin Euro



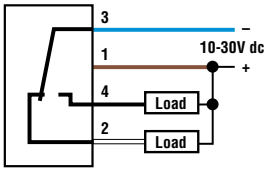
4-Pin Mini



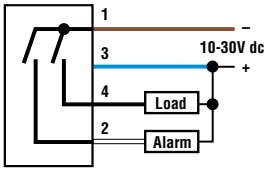
More on next page

DC Hookups

DC05 Complementary Current Sinking (NPN) Standard Hookup

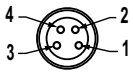
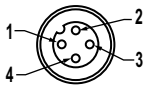


Current Sinking (NPN) Plus Current Sinking Alarm

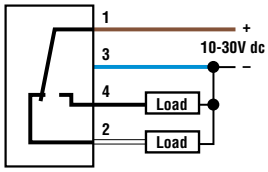


Key

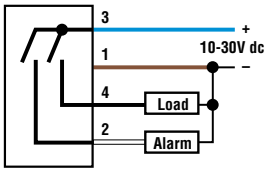
1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Pico	4-Pin Euro
	

DC06 Complementary Current Sourcing (PNP) Standard Hookup

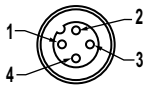


Current Sourcing (PNP) Plus Current Sourcing Alarm

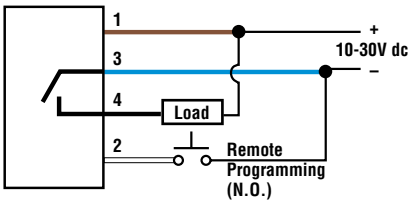


Key

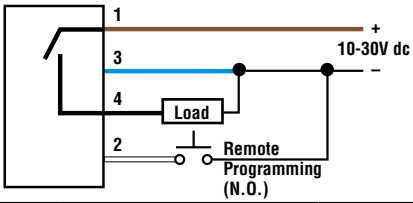
1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Pico	4-Pin Euro
	

DC07 Current Sinking (NPN)

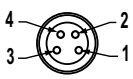
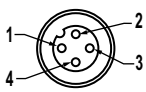


Current Sourcing (PNP)

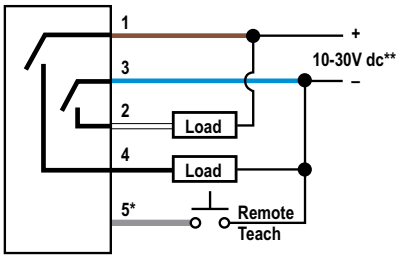


Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Pico	4-Pin Euro
	

DC08 Bipolar (NPN + PNP)

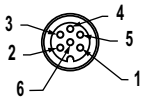
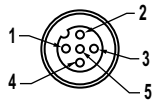


*NOTE: For some QS30 models, gray wire is used for LO/DO Select. See data sheet.
** Bussable Power models are 12-30V dc

Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray
6 = Pink †

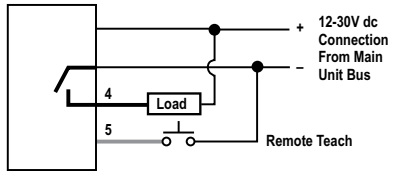
† Not Used

6-Pin Pico	5-Pin Euro
	

More on next page

DC Hookups

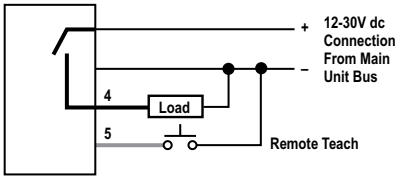
DC09 Current Sinking (NPN) with Bussable Power



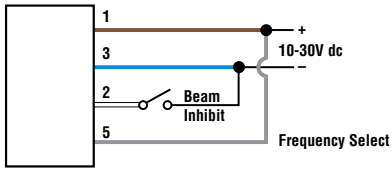
Key

4 = Black
5 = Gray

Current Sourcing (PNP) with Bussable Power



DC10 Emitter Frequency A

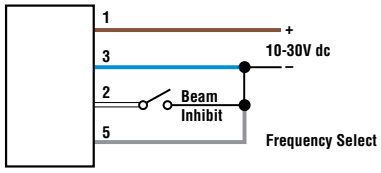


Key

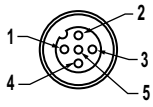
1 = Brown
2 = White
3 = Blue
4 = Black †
5 = Gray

† Not Used

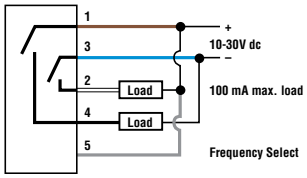
Emitter Frequency B



5-Pin Euro



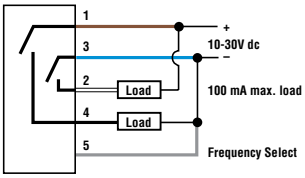
DC11 Receiver Frequency A



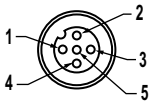
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

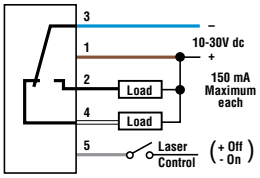
Receiver Frequency B



5-Pin Euro



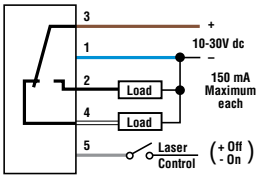
DC12 Complementary Current Sinking (NPN)



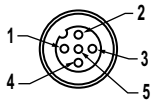
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

Complementary Current Sourcing (PNP)



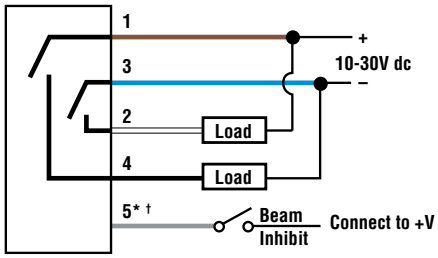
5-Pin Euro



More on next page

DC Hookups

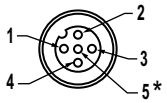
DC13 Bipolar (NPN + PNP)



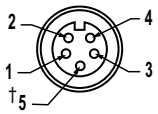
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray*/
Yellow†

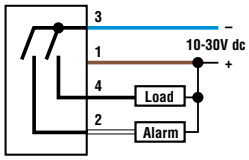
5-Pin Euro



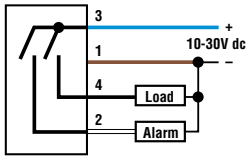
5-Pin Mini



DC14 Current Sinking (NPN) Configuration



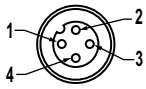
Current Sourcing (PNP) Configuration



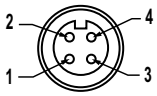
Key

1 = Brown
2 = White
3 = Blue
4 = Black

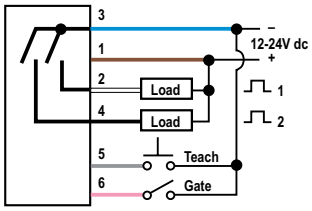
4-Pin Euro



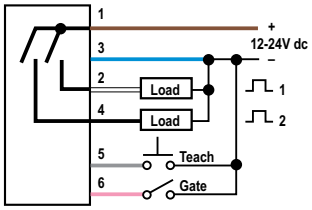
4-Pin Mini



DC15 Current Sinking (NPN)



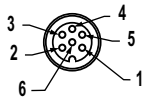
Current Sourcing (PNP)



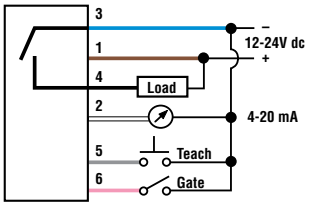
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray
6 = Pink

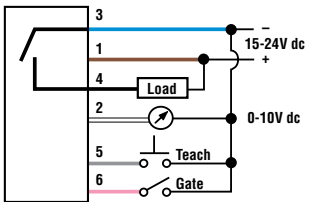
6-Pin Pico



DC16 Current Sinking (NPN) & Analog Current



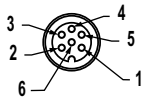
Current Sinking (NPN) & Analog Voltage



Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray
6 = Pink

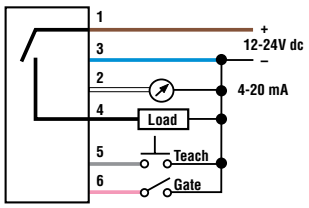
6-Pin Pico



More on next page

DC Hookups

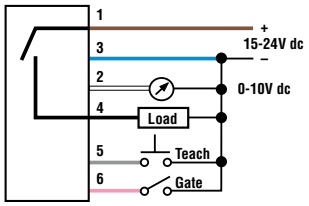
DC17 Current Sourcing (PNP) & Analog Current



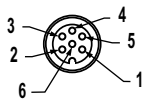
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray
6 = Pink

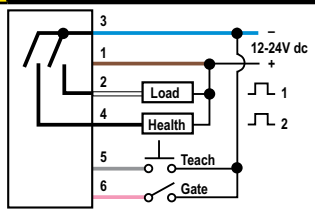
Current Sourcing (PNP) & Analog Voltage



6-Pin Pico



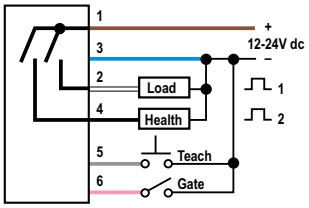
DC18 Current Sinking (NPN) & Health Mode Output



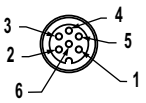
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray
6 = Pink

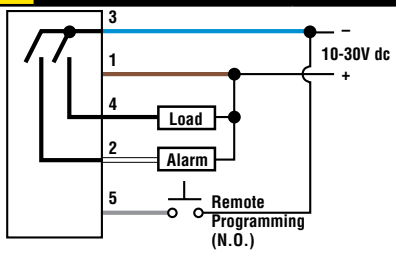
Current Sourcing (PNP) & Health Mode Output



6-Pin Pico



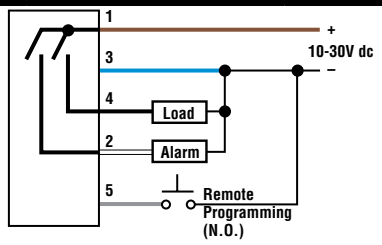
DC19 Current Sinking (NPN) Cable Hookup



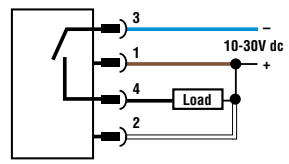
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

Current Sourcing (PNP) Cable Hookup



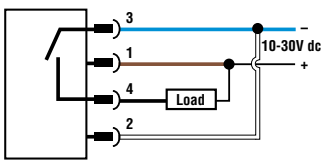
DC20 SM30 DC Receivers (NPN) Light Operate



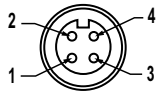
Key

1 = Brown
2 = White
3 = Blue
4 = Black

SM30 DC Receivers (NPN) Dark Operate



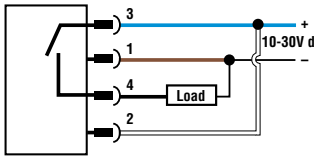
4-Pin Mini



More on next page

DC Hookups

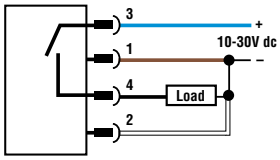
DC21 SM30 DC Receivers (PNP) Light Operate



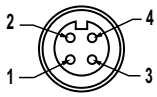
Key

1 = Brown
2 = White
3 = Blue
4 = Black

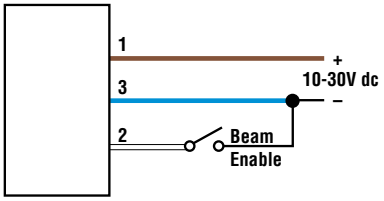
SM30 DC Receivers (PNP) Dark Operate



4-Pin Mini



DC22 Laser Emitter



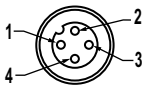
Key

1 = Brown
2 = White
3 = Blue
4 = Black†

† Not Used

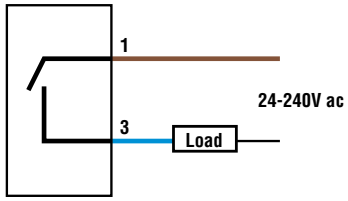
4-Pin Pico

4-Pin Euro



AC Hookups

AC01 2-wire AC

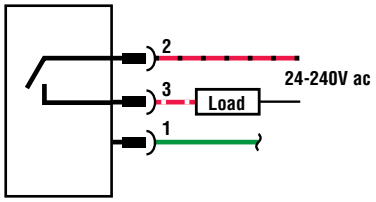


NOTE: Wire a load in series before powering up sensor.

Key

1 = Brown
3 = Blue

AC02 2-wire AC with Quick-Disconnect Cable



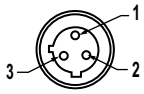
NOTE: Wire a load in series before powering up sensor.

Key

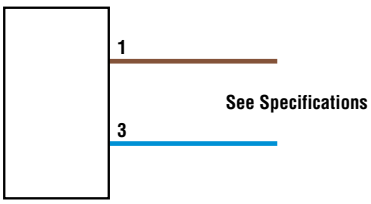
1 = Green†
2 = Red/Black
3 = Red/White

† Not Used

3-Pin Micro



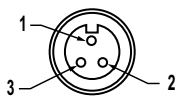
AC03 Emitters



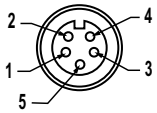
Key

1 = Brown
3 = Blue

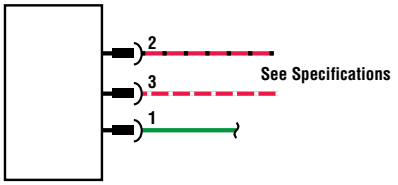
3-Pin Mini



5-Pin Mini



AC04 Emitters with Quick-Disconnect Cable

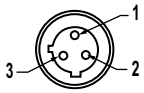


Key

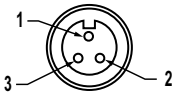
1 = Green†
2 = Red/Black
3 = Red/White

† Not Used

3-Pin Micro



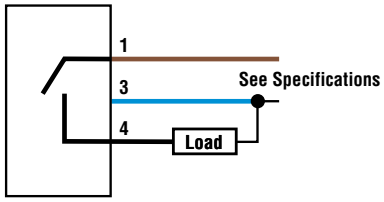
3-Pin Mini



More on next page

AC Hookups

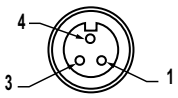
AC05 3-wire AC



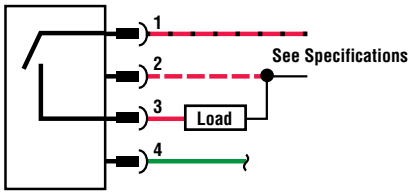
Key

1 = Brown
3 = Blue
4 = Black

3-Pin Mini



AC06 3-wire AC with Quick-Disconnect Cable

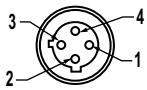


Key

1 = Red/Black
2 = Red/White
3 = Red
4 = Green†

† Not Used

4-Pin Micro



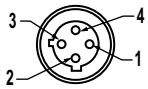
AC07 Emitters with Quick-Disconnect Cable

Key

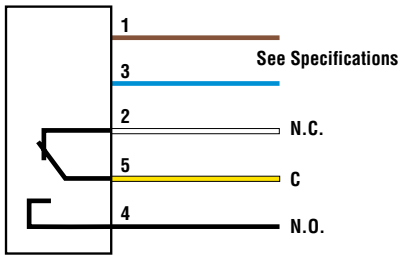
1 = Red/Black
2 = Red/White
3 = Red†
4 = Green†

† Not Used

4-Pin Micro



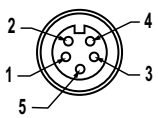
AC08 SPDT Electromechanical Relay Output



Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow

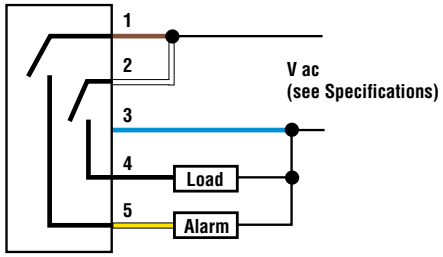
5-Pin Mini



More on next page

AC Hookups

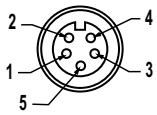
AC09 OPBA2 or OPBB2 3-wire SPST Solid-State Power Block



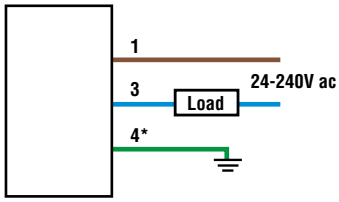
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow

5-Pin Mini



AC10 SM30 2-wire AC Receivers with Attached Cables



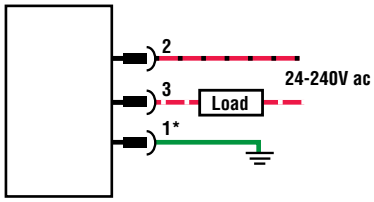
* Connect green wire to earth ground whenever a stainless steel model is powered by ac voltage.

NOTE: Wire a load in series before powering up sensor.

Key

1 = Brown
2 = Blue
4 = Green

AC11 SM30 2-wire AC Receivers



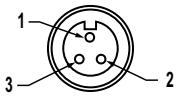
* Connect green wire to earth ground whenever a stainless steel model is powered by ac voltage.

NOTE: Wire a load in series before powering up sensor.

Key

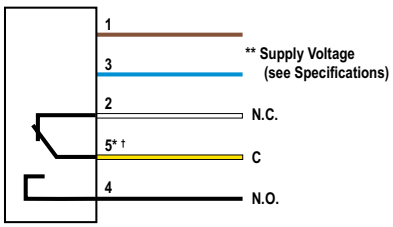
1 = Green
2 = Red/Black
3 = Red/White

3-Pin Mini



Universal AC/DC Hookups

UN01 SPDT Electromechanical Relay Output



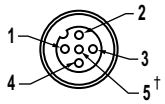
** NOTE: Connection of dc power is without regard to polarity.

Key

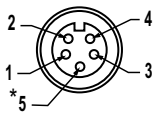
5-Pin Euro
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray†

5-Pin Mini
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow*

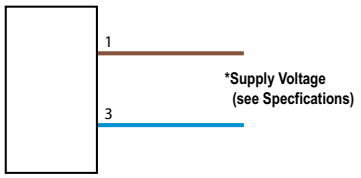
5-Pin Euro



5-Pin Mini



UN02 Emitters



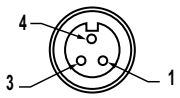
* NOTE: Connection of dc power is without regard to polarity.

Key

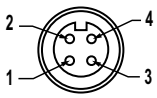
1 = Brown
2 = Blue
3 = Black†

† Not Used

3-Pin Mini



4-Pin Mini



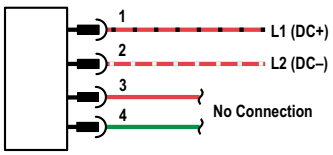
UN03 Emitters with Attached Cable

Key

1 = Brown
3 = Blue
4 = Black†

† No Connection

UN04 Emitters with Quick-Disconnect Cable

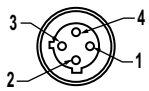


Key

1 = Red/Black
2 = Red/White
3 = Red†
4 = Green †

† No Connection

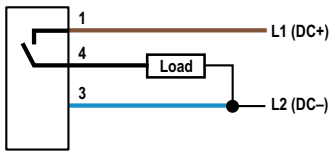
4-Pin Micro



More on next page

Universal AC/DC Hookups

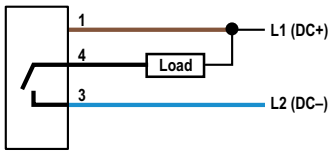
UN05 P-MOSFET (Sourcing) Receiver—Cabled



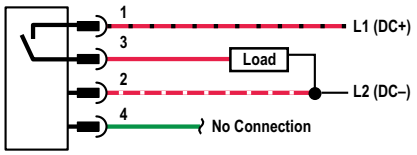
Key

1 = Brown
3 = Blue
4 = Black

N-MOSFET (Sinking) Receiver—Cabled



UN06 P-MOSFET (Sourcing) Receiver—Quick-Disconnect

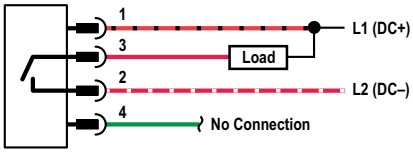


Key

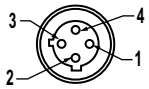
1 = Red/Black
2 = Red/White
3 = Red
4 = Green

† No Connection

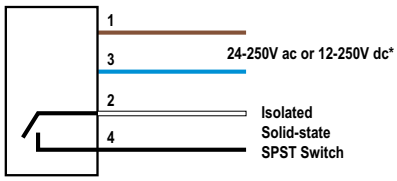
N-MOSFET (Sinking) Receiver—Quick-Disconnect



4-Pin Micro



UN07 SPST Solid-State Relay Output

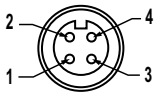


*NOTE: Connection of dc power is without regard to polarity.

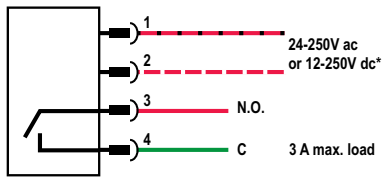
Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Mini



UN08 SPST Electromechanical Relay Output

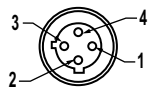


*NOTE: Connection of dc power is without regard to polarity.

Key

1 = Red/Black
2 = Red/White
3 = Red
4 = Green

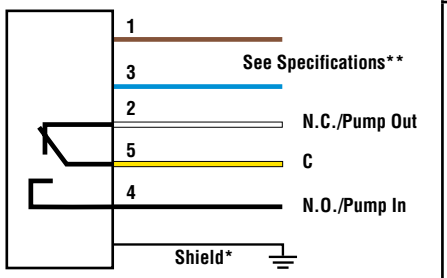
4-Pin Micro



More on next page

Universal AC/DC Hookups

UN09 Normally Open/Pump-In

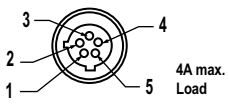


* It is recommended that the shield wire be connected to earth ground.
** DC hookup is without regard to polarity.

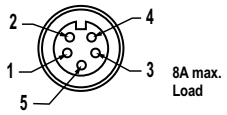
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow

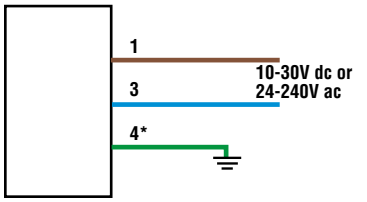
5-Pin Micro



5-Pin Mini



UN10 SM30 Emitters with Attached Cable



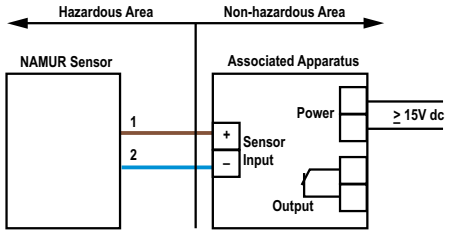
* Connect green wire to earth ground whenever a stainless steel model is powered by ac voltage.

Key

1 = Brown
3 = Blue
4 = Green

Special Hookups

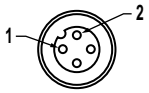
SP01 NAMUR Hookup



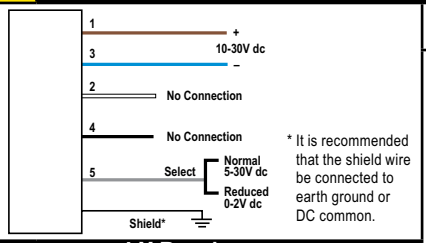
Key

1 = Brown
2 = Blue

4-Pin Euro NAMUR

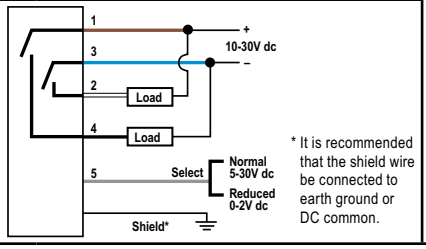


SP02 LX Emitter



* It is recommended that the shield wire be connected to earth ground or DC common.

LX Receiver

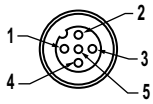


* It is recommended that the shield wire be connected to earth ground or DC common.

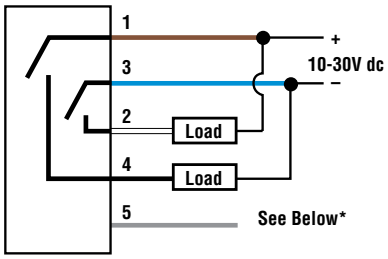
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



SP03 SL10, SL30 and SLO30

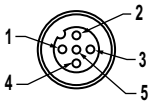


* For Dark Operate, connect gray wire to + (brown).
For Light Operate, connect gray wire to – (blue) or leave circuit open.

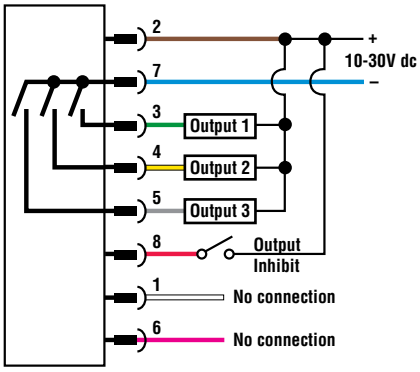
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



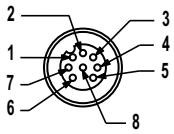
SP04 QC50/QCX50 Current Sinking (NPN)



Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

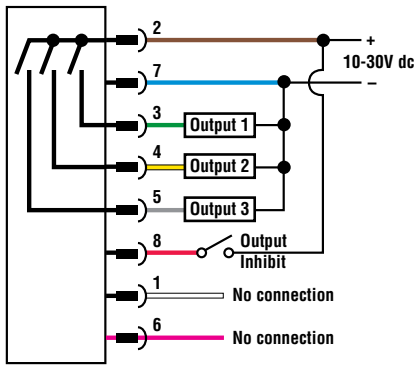
8-Pin Euro



More on next page

Special Hookups

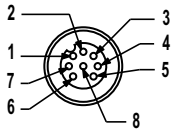
SP05 QC50/QCX50 Current Sourcing (PNP)



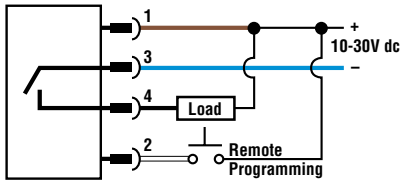
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

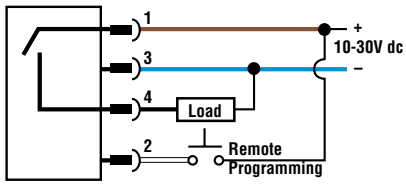
8-Pin Euro



SP06 QL50 Current Sinking (NPN)



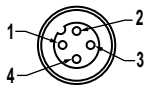
QL50 Current Sourcing (PNP)



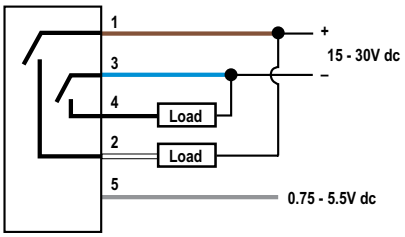
Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Euro



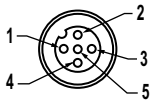
SP07 QL56 Bipolar (NPN + PNP) with Analog Output



Key

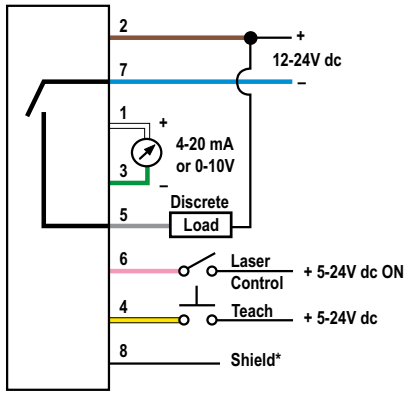
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



Measurement and Inspection Hookups

MI01 LT3 Analog and Current Sinking (NPN) Discrete Outputs

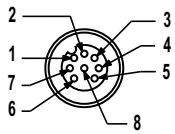


* It is recommended that the shield wire be connected to either earth ground or DC common.

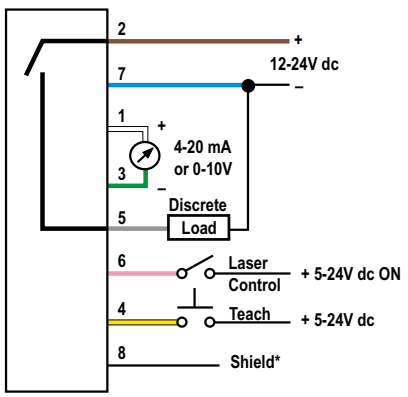
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

8-Pin Euro



MI02 LT3 Analog and Current Sourcing (PNP) Discrete Outputs

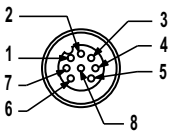


* It is recommended that the shield wire be connected to either earth ground or DC common.

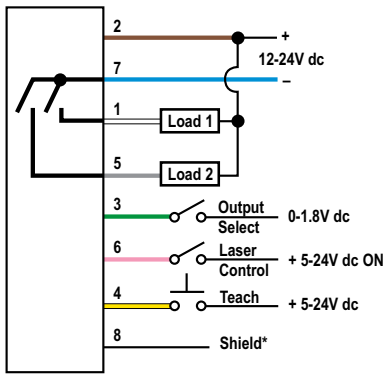
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

8-Pin Euro



MI03 LT3 with Two Discrete Outputs Current Sinking (NPN)

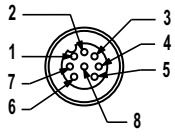


* It is recommended that the shield wire be connected to either earth ground or DC common.

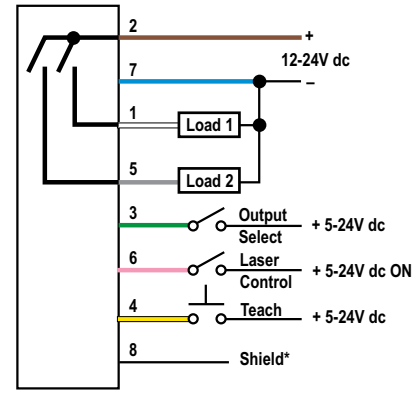
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

8-Pin Euro



MI04 LT3 with Two Discrete Outputs Current Sourcing (PNP)

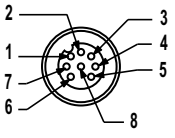


* It is recommended that the shield wire be connected to either earth ground or DC common.

Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

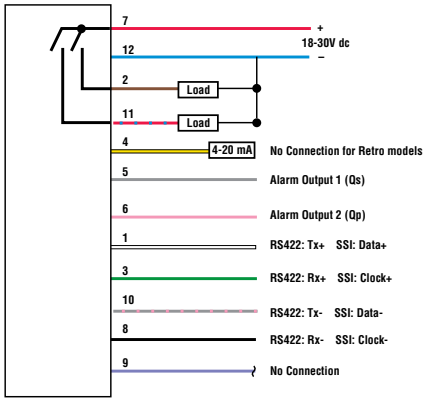
8-Pin Euro



More on next page

Measurement and Inspection Hookups

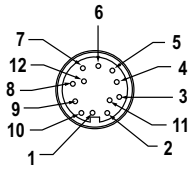
MI05 LT7 Current Sourcing (PNP) and Analog Outputs



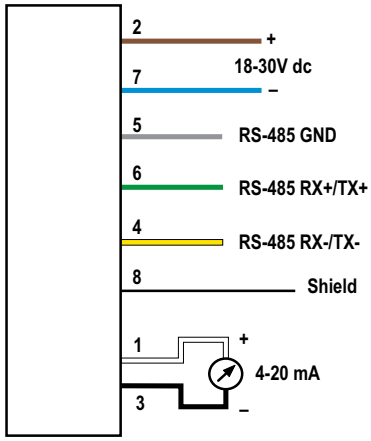
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Red
8 = Black
9 = Purple
10 = Gray/Pink
11 = Red/Blue
12 = Blue

12-Pin M16



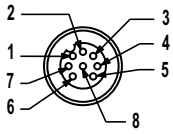
MI06 LH Current Sourcing (PNP) and Analog Outputs



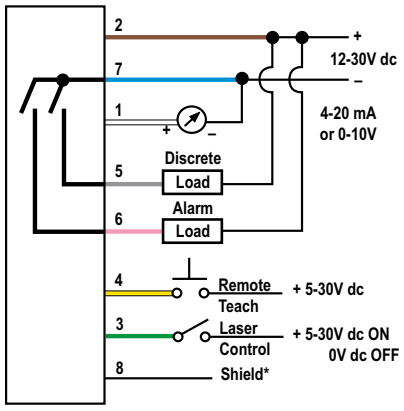
Key

1 = White
2 = Brown
3 = Shield
4 = Yellow
5 = Gray
6 = Green
7 = Blue
8 = Shield

8-Pin Euro QD



MI07 LG5/LG10 Analog and Current Sinking (NPN) Discrete Outputs

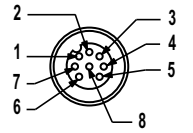


* See data sheet for shield wire connection.

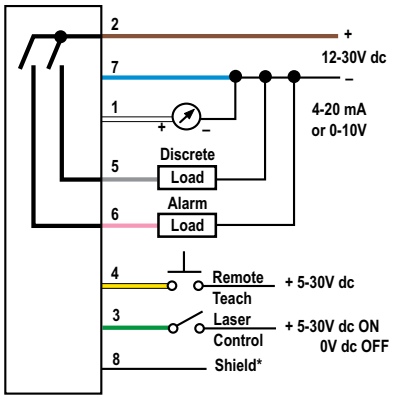
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

8-Pin Euro



MI08 LG5/LG10 Analog and Current Sourcing (PNP) Discrete Outputs

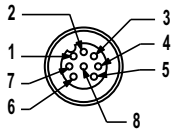


* See data sheet for shield wire connection.

Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Shield

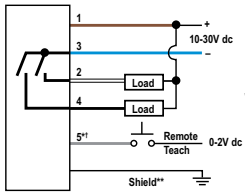
8-Pin Euro



More on next page

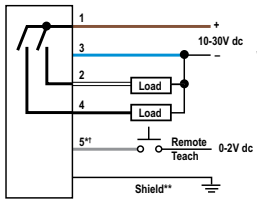
Measurement and Inspection Hookups

MI09 QT50U with Discrete Outputs Current Sinking (NPN)



** It is recommended that the shield wire be connected to either earth ground or DC common.

QT50U with Discrete Outputs Current Sourcing (PNP)

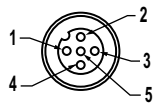
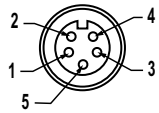


** It is recommended that the shield wire be connected to either earth ground or DC common.

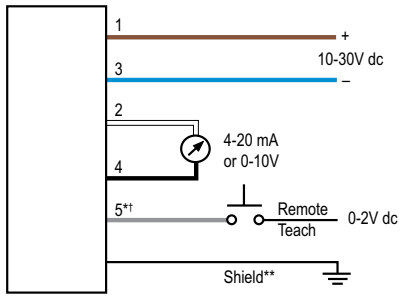
Key

5-Pin Euro
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray†

5-Pin Mini
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow*

5-Pin Euro	5-Pin Mini
	

MI10 QT50U with Analog Output

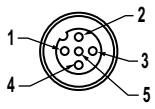
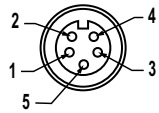


** It is recommended that the shield wire be connected to either earth ground or DC common.

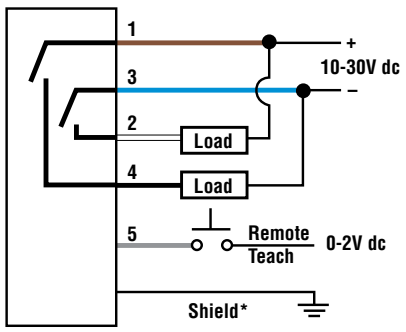
Key

5-Pin Euro
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray†

5-Pin Mini
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow*

5-Pin Euro	5-Pin Mini
	

MI11 Bipolar (NPN + PNP) with Shield

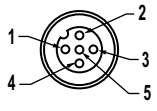


* It is recommended that the shield wire be connected to either earth ground or DC common.

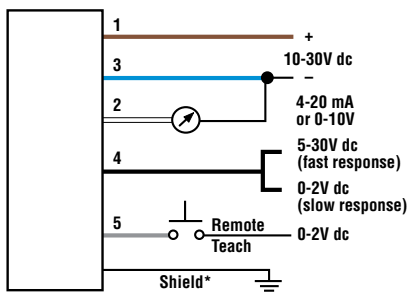
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



MI12 S18U with Analog Output

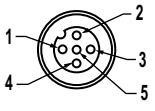


* It is recommended that the shield wire be connected to either earth ground or DC common.

Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

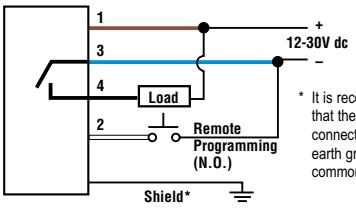
5-Pin Euro



More on next page

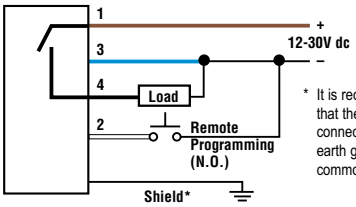
Measurement and Inspection Hookups

MI13 Current Sinking (NPN) with Shield



* It is recommended that the shield wire be connected to either earth ground or DC common.

Current Sourcing (PNP) with Shield

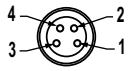


* It is recommended that the shield wire be connected to either earth ground or DC common.

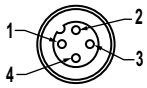
Key

1 = Brown
2 = White
3 = Blue
4 = Black

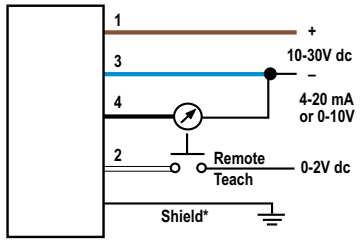
4-Pin Pico



4-Pin Euro



MI14 Analog Output with Shield

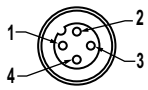


* It is recommended that the shield wire be connected to either earth ground or DC common.

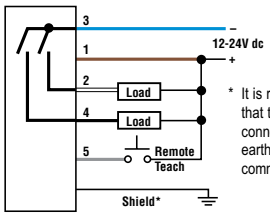
Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Euro

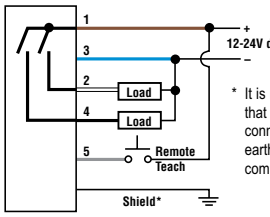


MI15 T30U with Discrete Outputs Current Sinking (NPN)



* It is recommended that the shield wire be connected to either earth ground or DC common.

T30U with Discrete Outputs Current Sourcing (PNP)

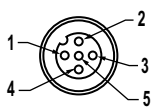


* It is recommended that the shield wire be connected to either earth ground or DC common.

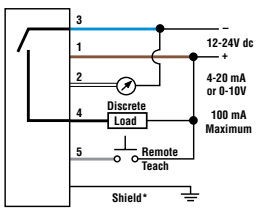
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro

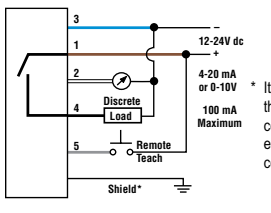


MI16 T30U with Analog & Discrete Outputs Current Sinking (NPN)



* It is recommended that the shield wire be connected to either earth ground or DC common.

T30U with Analog & Discrete Outputs Current Sourcing (PNP)

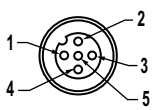


* It is recommended that the shield wire be connected to either earth ground or DC common.

Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

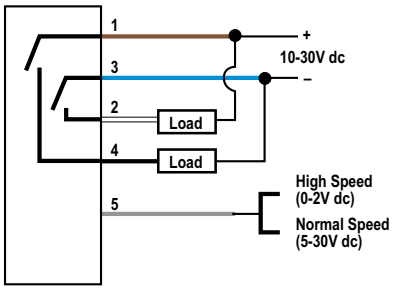
5-Pin Euro



More on next page

Measurement and Inspection Hookups

MI17 M25U Receiver

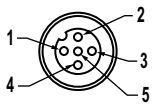


* It is recommended that the shield wire be connected to either earth ground or DC common.

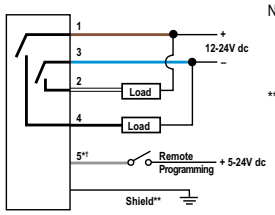
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro QD



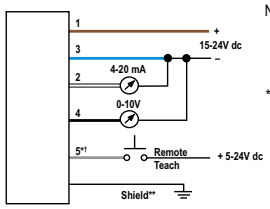
MI18 Q45U & Q45UR with Discrete Outputs



NOTE: Gray/Yellow wires on Q45U models used for enable.

** It is recommended that the shield wire be connected to either earth ground or DC common.

Q45U & Q45UR with Analog Outputs



NOTE: Gray/Yellow wires on Q45U models used for enable.

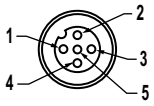
** It is recommended that the shield wire be connected to either earth ground or DC common.

Key

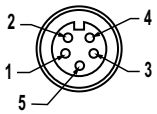
5-Pin Euro
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray†

5-Pin Mini
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Yellow*

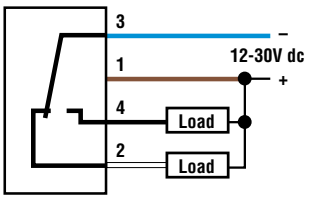
5-Pin Euro



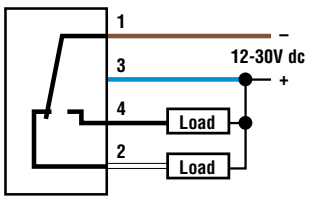
5-Pin Mini



MI19 T18U Current Sinking (NPN) NORMAL Resolution



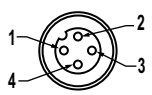
T18U Current Sinking (NPN) HIGH Resolution



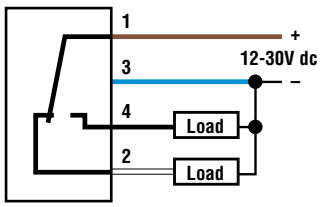
Key

1 = Brown
2 = White
3 = Blue
4 = Black

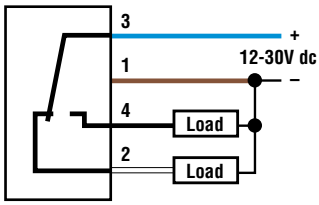
4-Pin Euro



MI20 T18U Current Sourcing (PNP) NORMAL Resolution



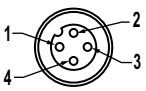
T18U Current Sourcing (PNP) HIGH Resolution



Key

1 = Brown
2 = White
3 = Blue
4 = Black

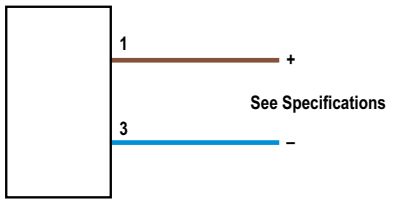
4-Pin Euro



More on next page

Measurement and Inspection Hookups

MI21 Emitter

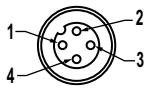


Key

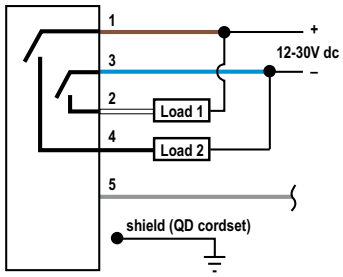
1 = Brown
2 = White†
3 = Blue
4 = Black†

† Not Used

4-Pin Euro



MI22 R-GAGE™



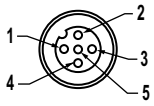
NOTE: It is recommended that the shield wire (QD cordsets only) be connected to earth ground or dc common. Shielded cordsets are recommended for all models.

Key

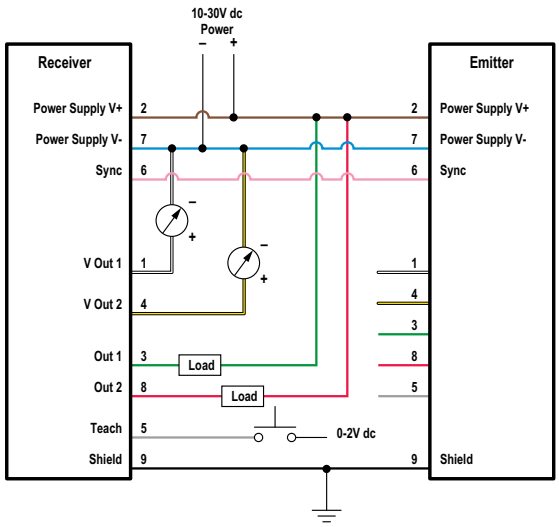
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray*

* Not used

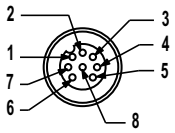
5-Pin Euro



MI23 EZ-ARRAY™ Sinking (NPN) with Analog Output

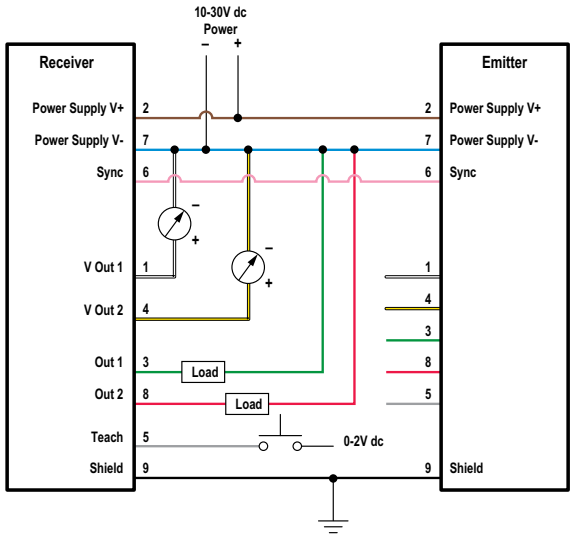


8-Pin Euro

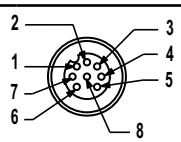


1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

MI24 EZ-ARRAY™ Sourcing (PNP) with Analog Output



8-Pin Euro

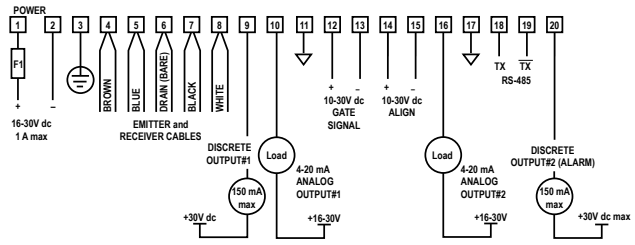


1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

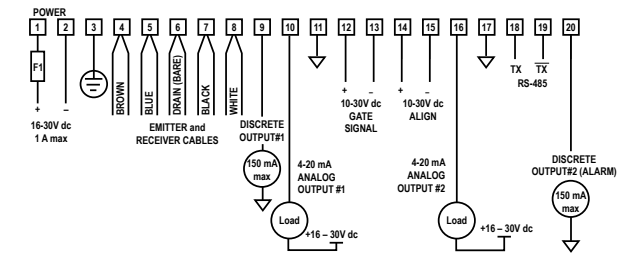
More on next page

Measurement and Inspection Hookups

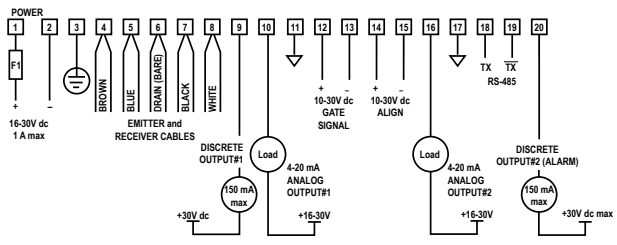
MI25 High-Resolution MINI-ARRAY Discrete (NPN) and Analog (0-10V) MAHCVN-1



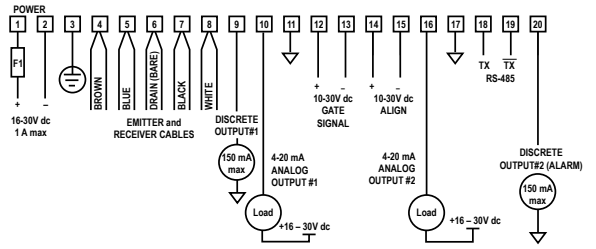
High-Resolution MINI-ARRAY Discrete (PNP) and Analog (0-10V) MAHCVP-1



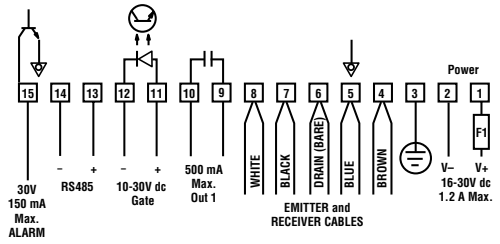
MI26 High-Resolution MINI-ARRAY Discrete (NPN) and Analog (4-20 mA) MAHCIN-1



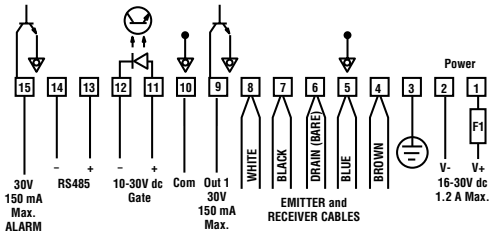
High-Resolution MINI-ARRAY Discrete (PNP) and Analog (4-20 mA) MAHCIP-1



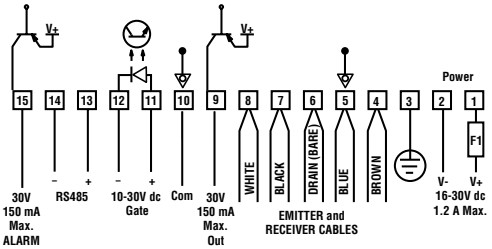
MI27 MINI-ARRAY Discrete Sinking (1-NPN) MAC-1



MI28 MINI-ARRAY Discrete Sinking (2-NPN) MACN-1



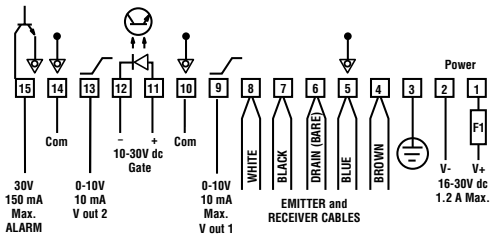
MINI-ARRAY Discrete Sourcing (2-PNP) MACP-1



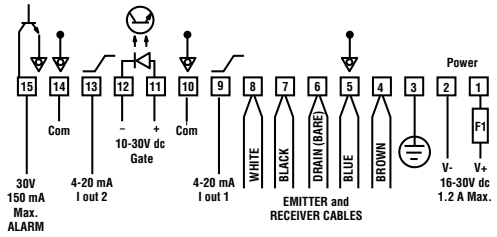
More on next page

Measurement and Inspection Hookups

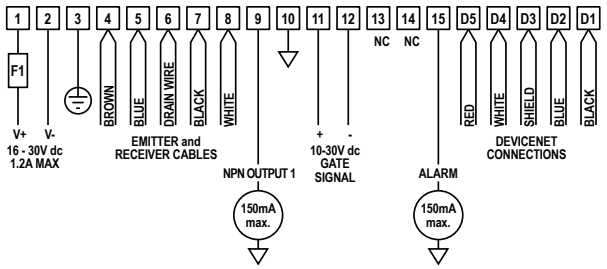
MI29 MINI-ARRAY Discrete Sinking (1-NPN) and Analog (0-10V) MACV-1



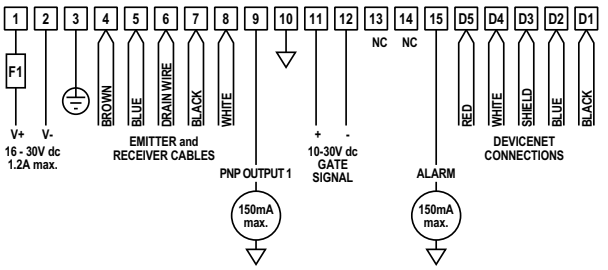
MI29 MINI-ARRAY Discrete Sinking (1-NPN) and Analog (4-20 mA) MACI-1



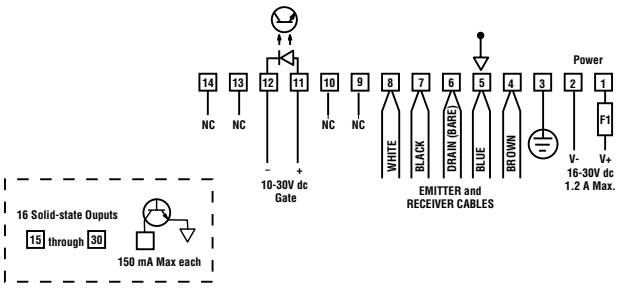
MI30 MINI-ARRAY with DeviceNet™ Sinking (NPN) MACNXDN-1



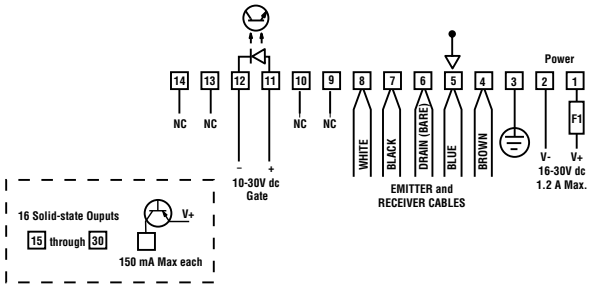
MI30 MINI-ARRAY with DeviceNet™ Sourcing (PNP) MACPXDN-1



MI31 MINI-ARRAY Discrete Sinking (16-NPN) MAC16N-1



MI31 MINI-ARRAY Discrete Sourcing (16-PNP) MAC16P-1

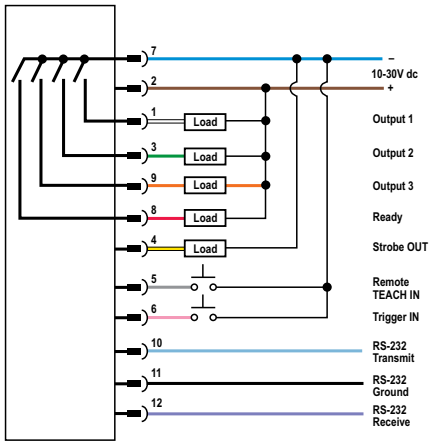


Key

Output 1 = Pin 16
Output 2 = Pin 17
Output 3 = Pin 18
Output 4 = Pin 19
Output 5 = Pin 20
Output 6 = Pin 21
Output 7 = Pin 22
Output 8 = Pin 23
Output 9 = Pin 24
Output 10 = Pin 25
Output 11 = Pin 26
Output 12 = Pin 27
Output 13 = Pin 28
Output 14 = Pin 29
Output 15 = Pin 30
Output 16 = Pin 15

Vision Hookups

VS01 iVu Plus Sensors NPN Output with NPN Input†

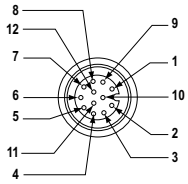


† Inputs can be either NPN or PNP.

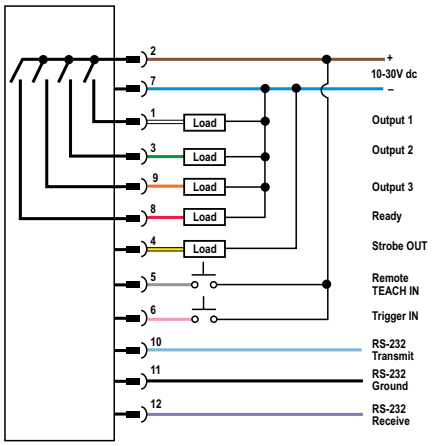
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red
9 = Orange
10 = Light Blue
11 = Black
12 = Violet

12-Pin Euro



VS02 iVu Plus Sensors PNP Output with PNP Input†

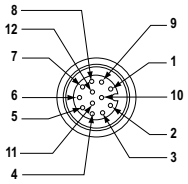


† Inputs can be either NPN or PNP.

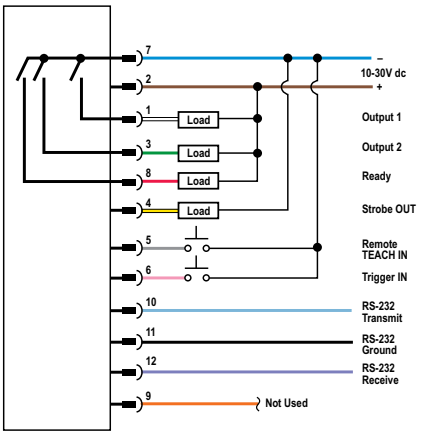
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red
9 = Orange
10 = Light Blue
11 = Black
12 = Violet

12-Pin Euro



VS03 iVu Sensors with Remote Touch Screen & iVu BCR with Integrated Touch Screen NPN Output with NPN Input†

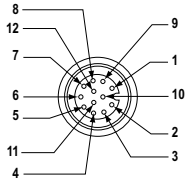


† Inputs can be either NPN or PNP.

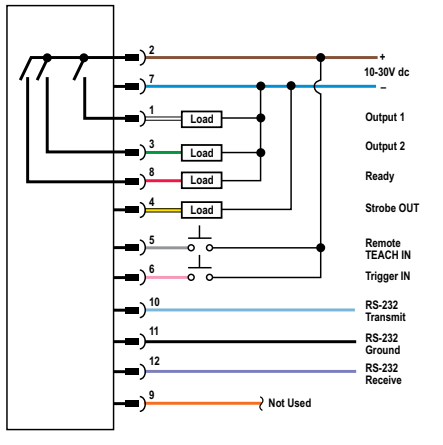
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red
9 = Orange
10 = Light Blue
11 = Black
12 = Violet

12-Pin Euro



VS04 iVu Sensors with Remote Touch Screen & iVu BCR with Integrated Touch Screen PNP Output with PNP Inputs†

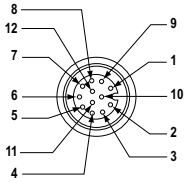


† Inputs can be either NPN or PNP.

Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red
9 = Orange
10 = Light Blue
11 = Black
12 = Violet

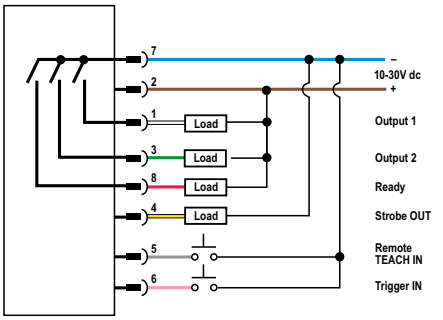
12-Pin Euro



More on next page

Vision Hookups

VS05 iVu TG with Integrated Touch Screen NPN Output with NPN Input†

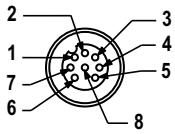


† Inputs can be either NPN or PNP.

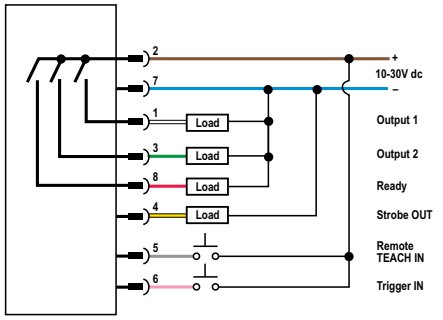
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

8-Pin Euro



VS06 iVu TG with Integrated Touch Screen PNP Output with PNP Input†

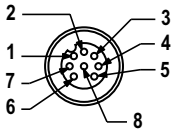


† Inputs can be either NPN or PNP.

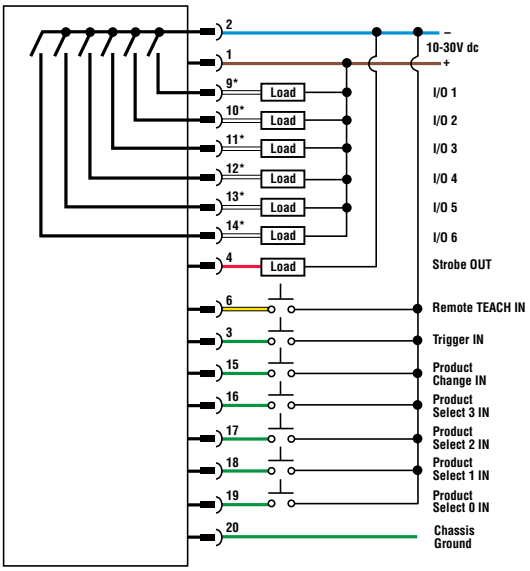
Key

1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

8-Pin Euro



VS07 *Pro* NPN Outputs with NPN Inputs†

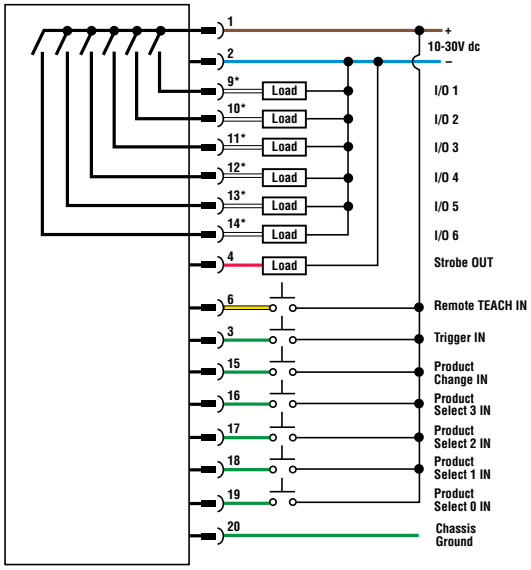


† Inputs can be either NPN or PNP.
* Can be independently configured as an output or input.
** Not used

Key

1 = Brown
2 = Blue
3 = Green
4 = Red
5 = Yellow**
6 = Yellow
7 = Yellow**
8 = Yellow**
9 = White*
10 = White*
11 = White*
12 = White*
13 = White*
14 = White*
15 = Green
16 = Green
17 = Green
18 = Green
19 = Green
20 = Green

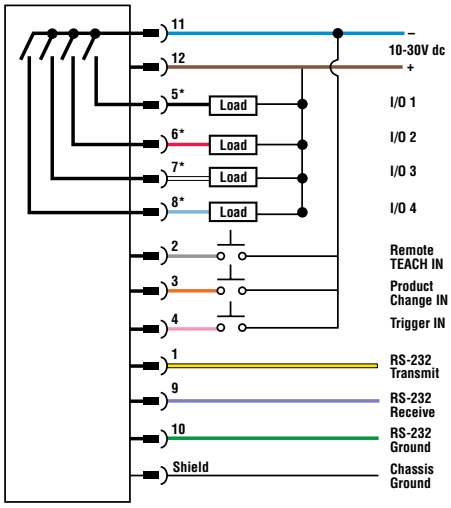
VS08 *Pro* PNP Outputs with PNP Inputs†



† Inputs can be either NPN or PNP.
* Can be independently configured as an output or input.
** Not used

Vision Hookups

VS09 — *P4* NPN Outputs with NPN Inputs†

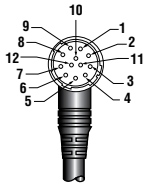


† Inputs can be either NPN or PNP.
* Can be independently configured as an output or input.

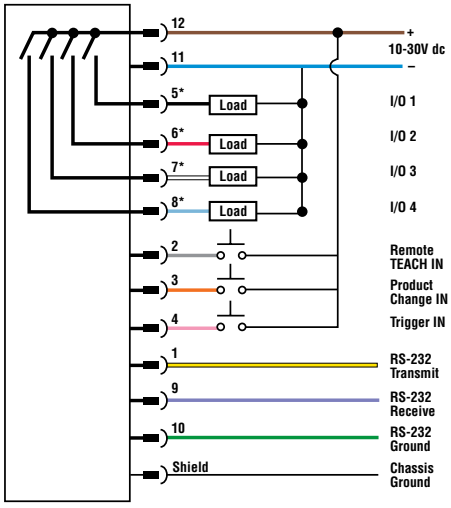
Key

1 = Yellow
2 = Gray
3 = Orange
4 = Pink
5 = Black*
6 = Red*
7 = White*
8 = Light Blue*
9 = Purple
10 = Green
11 = Blue
12 = Brown
Shield = Bare Metal

12-Pin QD



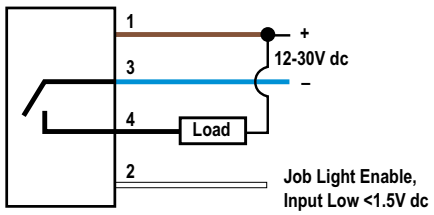
VS10 — *P4* PNP Outputs with PNP Inputs†



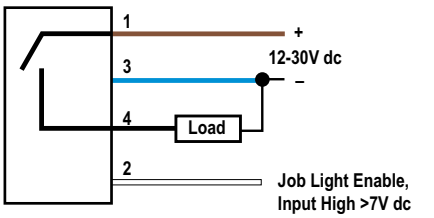
† Inputs can be either NPN or PNP.
* Can be independently configured as an output or input.

Lighting & Indicators Hookups

LI01 K50 and K80 Current Sinking (NPN) Hookup for Solid Job Light—1 or 2 Color



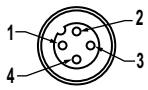
K50 and K80 Current Sourcing (PNP) Hookup for Solid Job Light— 1 or 2 Color



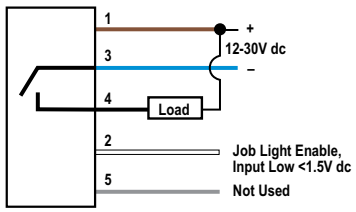
Key

1 = Brown
2 = White
3 = Blue
4 = Black

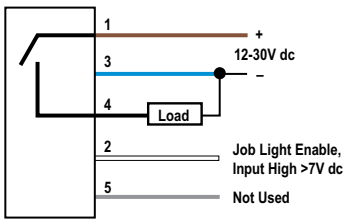
4-Pin Euro



LI02 K50 and K80 Current Sinking (NPN) for Solid Job Light—3 Color



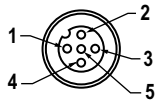
K50 and K80 Current Sourcing (PNP) for Solid Job Light—3 Color



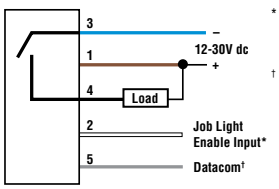
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



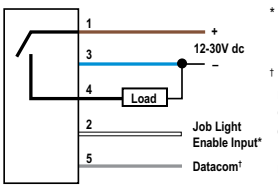
LI03 PVD with Switch-Selectable Output Current Sinking (NPN)



* See configuration information in data sheet for job light enable input requirements.

† For specialized applications requiring custom configuration options. See data sheet and contact your Banner representative for more information.

PVD with Switch-Selectable Output Current Sourcing (PNP)



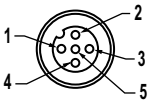
* See configuration information in data sheet for job light enable input requirements.

† For specialized applications requiring custom configuration options. See data sheet and contact your Banner representative for more information.

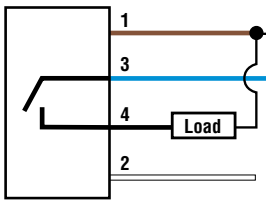
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro

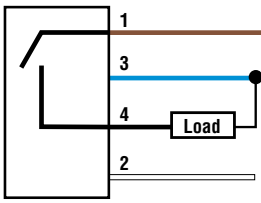


LI04 PVA Current Sinking (NPN)



* See data sheet for Programming information or job light enable requirements.

PVA Current Sourcing (PNP)

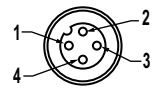


* See data sheet for Programming information or job light enable requirements.

Key

1 = Brown
2 = White
3 = Blue
4 = Black

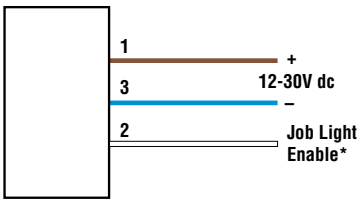
4-Pin Euro



More on next page

Lighting & Indicators Hookups

LI05 PVA Emitter



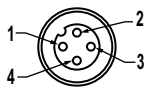
* See data sheet for programming information or job light enable requirements.

Key

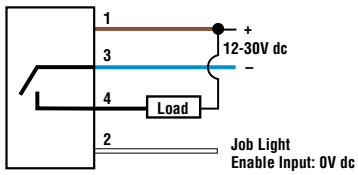
1 = Brown
2 = White
3 = Blue
4 = Black†

† Not Used

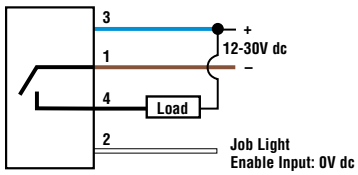
4-Pin Euro



LI06 VTB Current Sinking (NPN) for Solid Job Light—1 Color



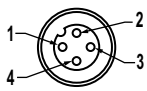
VTB Current Sinking (NPN) for Flashing Job Light—1 Color



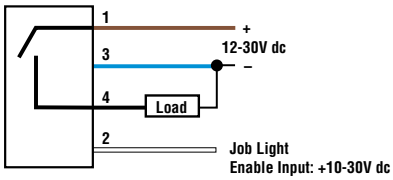
Key

1 = Brown
2 = White
3 = Blue
4 = Black

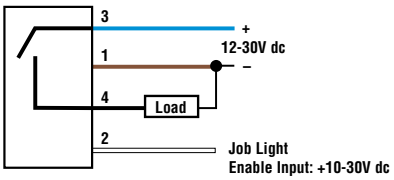
4-Pin Euro



LI07 VTB Current Sourcing (PNP) for Solid Job Light—1 Color



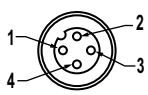
VTB Current Sourcing (PNP) for Flashing Job Light—1 Color



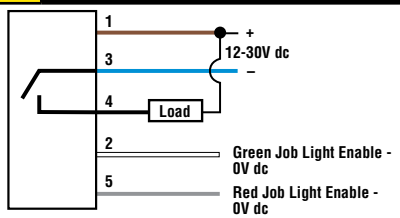
Key

1 = Brown
2 = White
3 = Blue
4 = Black

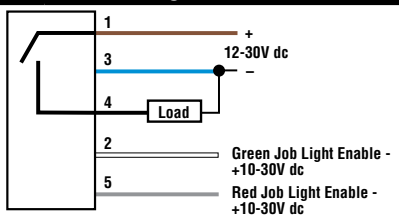
4-Pin Euro



LI08 VTB Current Sinking (NPN) Job Light—2 Color



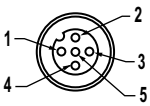
VTB Current Sourcing (PNP) Job Light—2 Color



Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

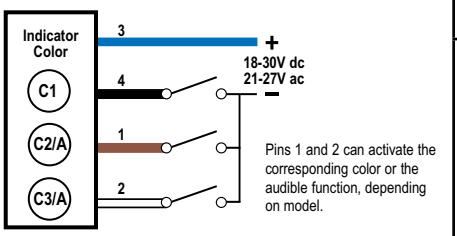
5-Pin Euro QD



More on next page

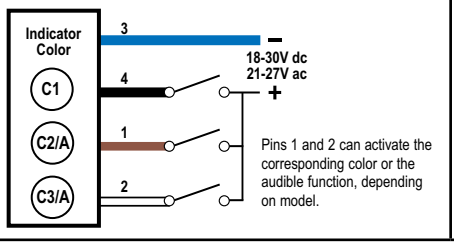
Lighting & Indicators Hookups

LI09 Tower Lights Sinking (NPN) Input—1 to 3 Color



Pins 1 and 2 can activate the corresponding color or the audible function, depending on model.

Tower Lights Sourcing (PNP) Input—1 to 3 Color

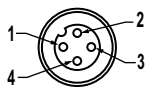


Pins 1 and 2 can activate the corresponding color or the audible function, depending on model.

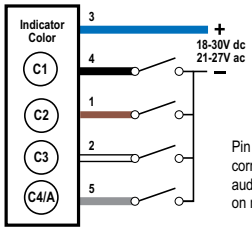
Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Euro

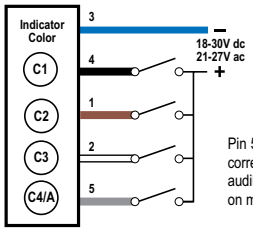


LI10 Tower Lights Sinking (NPN) Input—4 Color



Pin 5 can activate the corresponding color or the audible function, depending on model.

Tower Lights Sourcing (PNP) Input—4 Color

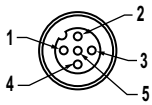


Pin 5 can activate the corresponding color or the audible function, depending on model.

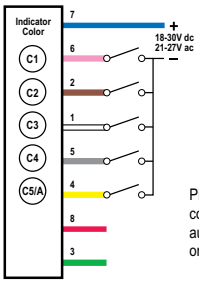
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro

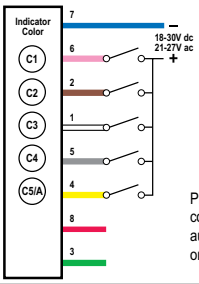


LI11 Tower Lights Sinking (NPN) Input—5 Color



Pin 4 can activate the corresponding color or the audible function, depending on model.

Tower Lights Sourcing (PNP) Input —5 Color



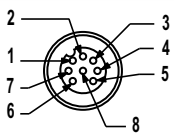
Pin 4 can activate the corresponding color or the audible function, depending on model.

Key

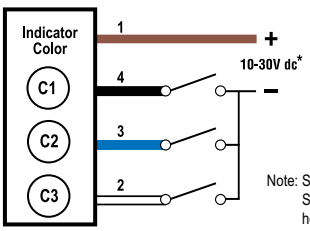
1 = White
2 = Brown
3 = Green†
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red†

† Not used

8-Pin Euro

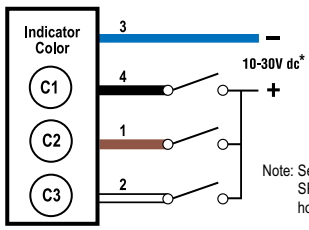


LI12 General-Purpose DC & SP150/SP350 Traffic Light Sinking (NPN) Input



Note: See data sheet for SP150 field wireable hookup diagrams

General-Purpose DC & SP150/SP350 Traffic Light Sourcing (PNP) Input

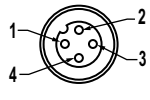


Note: See data sheet for SP150 field wireable hookup diagrams

Key

1 = Brown
2 = White†
3 = Blue†
4 = Black

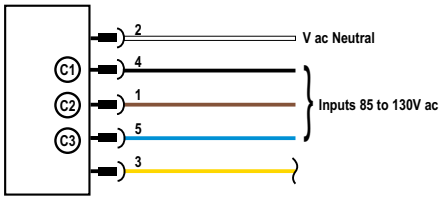
4-Pin Euro



More on next page

Lighting & Indicators Hookups

LI13 EZ-LIGHT General-Purpose AC Input

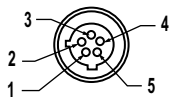


Key

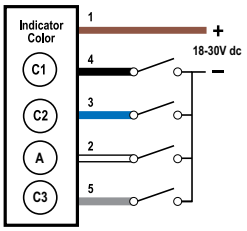
1 = Brown
2 = White
3 = Yellow†
4 = Black
5 = Blue

† Not used

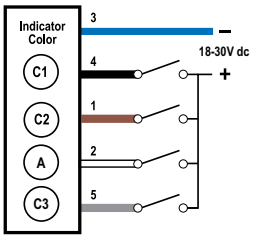
5-Pin Micro



LI14 EZ-LIGHT K50L & K80L Audible Sinking (NPN) Input



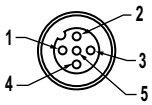
EZ-LIGHT K50L & K80L Audible Sourcing (PNP) Input



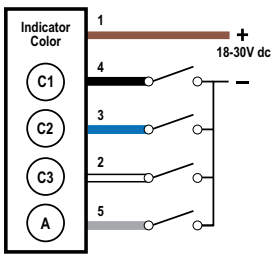
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

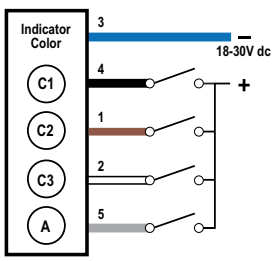
5-Pin Euro



LI15 EZ-LIGHT CL50 Audible Sinking (NPN) Input



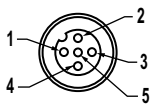
EZ-LIGHT CL50 Audible Sourcing (PNP) Input



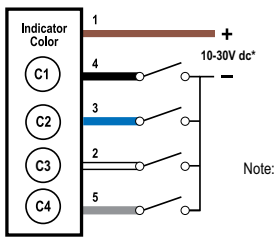
Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

5-Pin Euro



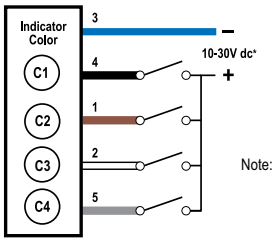
LI16 EZ-LIGHT Multi-Function Sinking (NPN) Input— 3 or 4 Color



Note: Hookup diagrams are for LED ON Steady. See data sheet for LED Function Information.

* K50L, K50FL and K80L models are 18 to 30V dc

EZ-LIGHT Multi-Function Sourcing (PNP) Input— 3 or 4 Color



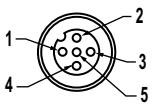
Note: Hookup diagrams are for LED ON Steady. See data sheet for LED Function Information.

* K50L, K50FL and K80L models are 18 to 30V dc

Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

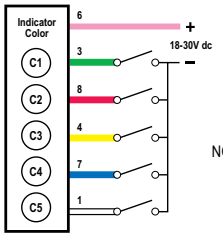
5-Pin Euro



More on next page

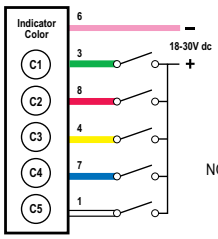
Lighting & Indicators Hookups

LI17 EZ-LIGHT K50L & K80L Multi-Function Sinking (NPN) Input—5 Color



NOTE: Hookup diagrams are for LED ON Steady. See data sheet for LED Function Information.

EZ-LIGHT K50L & K80L Multi-Function Sourcing (PNP) Input—5 Color



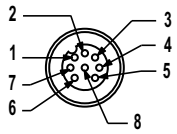
NOTE: Hookup diagrams are for LED ON Steady. See data sheet for LED Function Information.

Key

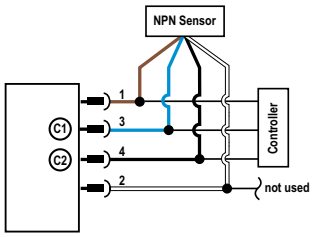
1 = White
2 = Brown†
3 = Green
4 = Yellow
5 = Gray†
6 = Pink
7 = Blue
8 = Red

† Not Used

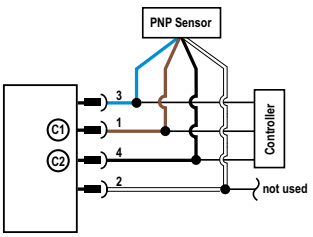
8-Pin Euro



LI18 EZ-LIGHT Sensor Emulator Sinking (NPN) Input



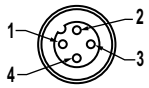
EZ-LIGHT Sensor Emulator Sourcing (PNP) Input



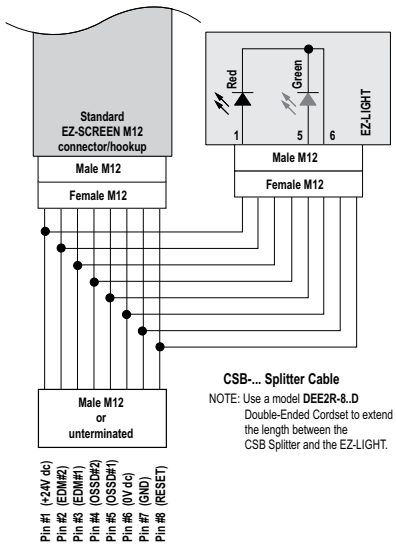
Key

1 = Brown
2 = White
3 = Blue
4 = Black

4-Pin Euro



LI19 EZ-LIGHT for EZ-SCREEN®



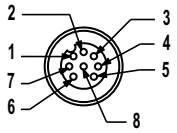
CSB-... Splitter Cable

NOTE: Use a model **DEE2R-8..D** Double-Ended Cordset to extend the length between the CSB Splitter and the EZ-LIGHT.

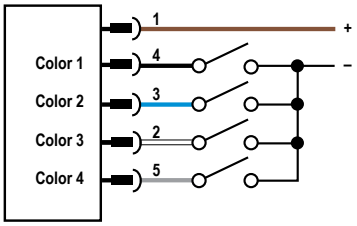
Key

1 = Brown
2 = Or/Bk
3 = Orange
4 = White
5 = Black
6 = Blue
7 = Gn/Yw
8 = Violet

8-Pin Euro

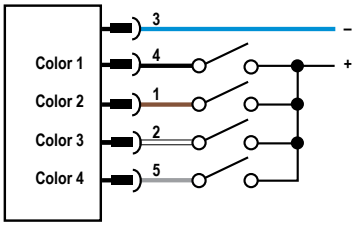


LI20 EZ-LIGHT K80L Segmented Sinking (NPN) Input



Hookups for 4-segment models. Depending on the number of segments, pins 5, 3, 2 and 1 may not be used.

EZ-LIGHT K80L Segmented Sourcing (PNP) Input

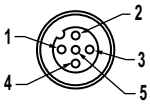


Hookups for 4-segment models. Depending on the number of segments, pins 5, 3, 2 and 1 may not be used.

Key

1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

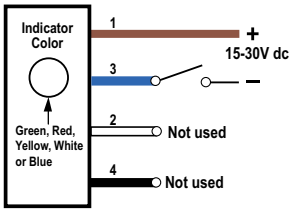
5-Pin Euro



More on next page

Lighting & Indicators Hookups

LI21 EZ-LIGHT K50LD Daylight Visible NPN Hookup—1 Color

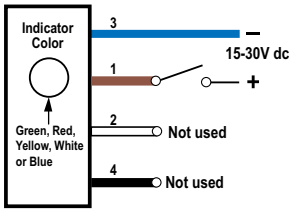


Key

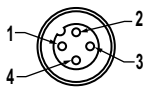
1 = Brown
2 = White†
3 = Blue
4 = Black†

† Not Used

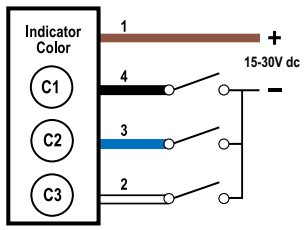
EZ-LIGHT K50LD Daylight Visible PNP Hookup—1 Color



4-Pin Euro



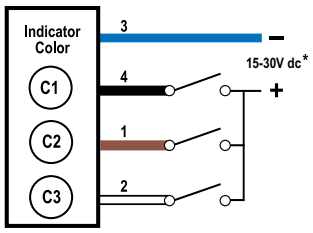
LI22 EZ-LIGHT K50LD Daylight Visible Sinking (NPN) Input— 3 Color



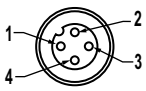
Key

1 = Brown
2 = White
3 = Blue
4 = Black

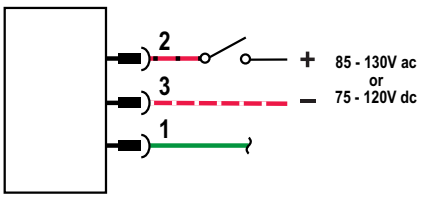
EZ-LIGHT K50LD Daylight Visible Sinking (PNP) Input— 3 Color



4-Pin Euro



LI23 EZ-LIGHT K50LD Daylight Visible AC Input (Quick-Disconnect)— 1 Color



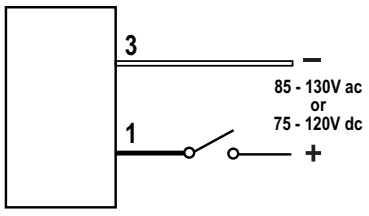
Key

Micro
1 = Green†
2 = Red/Black
3 = Red/White

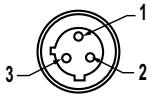
Cabled
1 = Black
2 = White

† Not Used

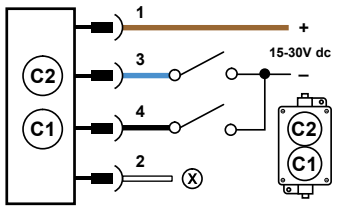
EZ-LIGHT K50LD Daylight Visible AC Input (Cabled)— 1 Color



3-Pin Micro



LI24 EZ-LIGHT SP250 Traffic Lights Sinking (NPN) Input



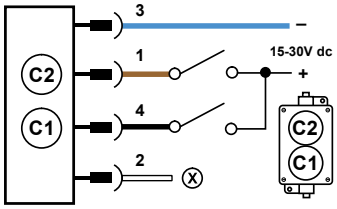
NOTE: Hookup diagrams are for quick-disconnect models. See data sheet for field-wireable hookup information.

Key

1 = Brown
2 = White
3 = Blue
4 = Black

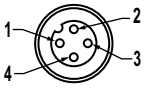
X = Not Used

EZ-LIGHT SP250 Traffic Lights Sourcing (PNP) Input



NOTE: Hookup diagrams are for quick-disconnect models. See data sheet for field-wireable hookup information.

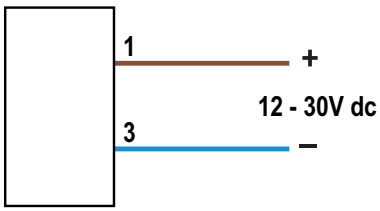
4-Pin Euro QD



More on next page

Lighting & Indicators Hookups

LI25 Work Lights



Key

1 = Brown
2 = White†
3 = Blue
4 = Black†

† = Not Used

4-Pin Euro QD