

Explosion-Proof Pilot Devices



- **Pilot Lights.....pgs. 87-89**
XPLB Series
- **Push Buttons.....pgs. 90-99**
XPIB, XPB, XPPP, XPDB & XPPTT Series
- **Potentiometers.....pg. 100**
XPPM Series
- **Reset Push Buttons.....pg. 101**
XRB Series
- **Selector Switches.....pgs. 102-104**
XP2, XP3, XPK2 & XPK3 Series
- **XM Mini Pilot Devices..pgs. 105-112**
- **Legend Plates.....pg. 113**

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9



Pilot Lights

- Pigtail
- Saddle Clamp
- Transformer
- Illuminated P.B.
- Push-To-Test
- Mini

Push Buttons

- Flush
- Extended
- Dual
- Mushroom Head
- Mini
- Maintained

Potentiometers

- 1k, 2k, 5k & 10k Ohms

Reset Push Buttons

- Standard
- Mini

Selector Switches

- 2-Position
- 2-Position Keyed
- 3-Position
- 3-Position Keyed
- Mini - Consult Factory



Consult factory to confirm certifications for complete product line

Specifications / XM & XP Series North American

- -25°C to +40°C Ambient
- NEMA 4X
- 3/4-14 npsm thread - standard series (XP-type)
- 3/8-16 unc thread - mini series (XM type)

XM (Mini) & XP (-CEN) Cenelec Series

- Ex II 2 G Ex d IIB + H2
- Ex II 2 D
- -55°C to +100°C Ambient
- IP66 when installed in an IP66 rated enclosure
- DEMKO 06 ATEX 0605697U
- Directive 94/9/EC
- "U" Component Certification
- EN 60079-0: 2004+ prAA:2005
- EN 60079-1: 2004
- EN 50281-1-1: 1998 incl. A1: 2002
- Please add "-CEN" to designate ATEX (Optional)



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Pilot Lights LED

Specifications



Pigtail-Type Pilot Light
XPLSB-T120G



Saddle Clamp Type Pilot Light
XPLSB-TT120G



Transformer Type Pilot Light
XPLSB-T120G

XPL SB - TT 120 R F - FS (-CEN)

a b c d e f ATEX Optional

a = Barrel Type

Code	Description
SB	Short Barrel
LB	Long Barrel

Code	Description
Blank	Pigtail
T	Transformer Type
TT	Saddle Clamp/Terminal Type

c = Voltage

Standard Pilot Light Code	Description
12	12 Volts AC/DC
24	24 Volts AC/DC
48	48 Volts AC/DC
120	120 Volts AC/DC
240	240 Volts AC/DC
Transformer Type Code	Description
9	240/120 Volts AC 50/60 Hz
120	120/12 Volts AC 50/60 Hz
240	240/12 Volts AC 50/60 Hz
380	380/12 Volts AC 50/60 Hz
440	440/12 Volts AC 50/60 Hz
480	480/12 Volts AC 50/60 Hz
600	600/12 Volts AC 50/60 Hz

d = LED Bulb Colors

Code	Color
A	AMBER
B	BLUE
G	GREEN
R	RED
W	WHITE

LED Replacement Bulbs

COLOR OF LED LAMP	VOLTAGE (VAC/DC)	REPLACEMENT P/N
AMBER	12	XPLB12A
BLUE	12	XPLB12B
GREEN	12	XPLB12G
RED	12	XPLB12R
WHITE	12	XPLB12W
AMBER	24	XPLB24A
BLUE	24	XPLB24B
GREEN	24	XPLB24G
RED	24	XPLB24R
WHITE	24	XPLB24W
AMBER	48	XPLB48A
BLUE	48	XPLB48B
GREEN	48	XPLB48G
RED	48	XPLB48R
WHITE	48	XPLB48W
AMBER	120	XPLB120A
BLUE	120	XPLB120B
GREEN	120	XPLB120G
RED	120	XPLB120R
WHITE	120	XPLB120W
AMBER	240	XPLB240A
BLUE	240	XPLB240B
GREEN	240	XPLB240G
RED	240	XPLB240R
WHITE	240	XPLB240W

e = Lamp Options

Code	Description
Blank	LED
F	Flashing

f = Accessory

Code	Description
-FS	Finger Safe on Terminal Type

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

X P & X M

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP Pilot Light Operators Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only



LR86146

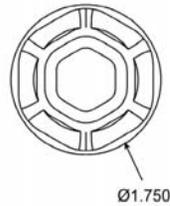


FILE NO. E203605

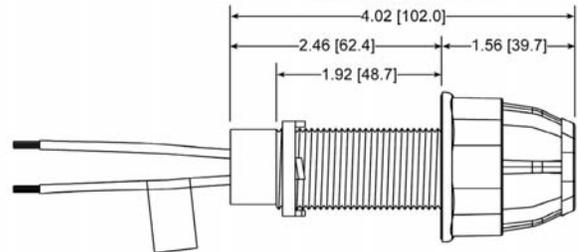


(Optional)

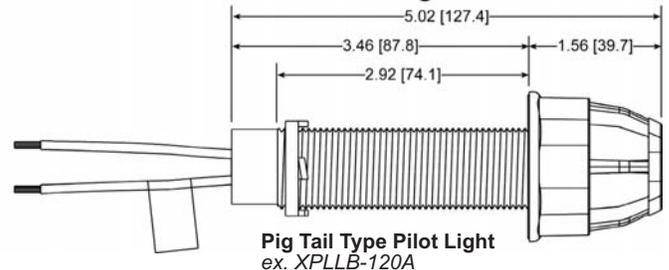
Lens Guard



Short Barrel



Long Barrel



CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA 22.2 No. 30-LR86146 Explosion-Proof Electrical Equipment for use in Hazardous Locations.

FEATURES

- XPL Transformer Series is equipped with bayonet base receptacles and 12 volt LED lamps
- 3/4-14 NPSM threaded body size.
- Explosion-Proof Pilot Lights are suitable for panel or surface mount applications.
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1-1/2" thick enclosure wall thickness.
- Standard 8" flexible leads for connection to contact blocks. (Consult Factory for custom lengths).
- Lens cap guard comes standard with a light gray powder coat finish.
- Standard sealed construction can be re-lamped from the front by removal of the lens guard. (Disconnect all power prior to performing this procedure).
- XP Pilot Light Series is equipped with bayonet receptacle bases and your choice of 12, 24, 48, 120 or 240 volt LED lamps.
- LED lamps have an operating life upwards of 100,000 hours @ 25 Deg. C ambient temperature. Specify voltage desired.
- Available light bulb colors are Red, White, Blue, Green and Amber.
- See Contact Block Information sheet for mounting and rating information.



Explosion-Proof Pilot Devices

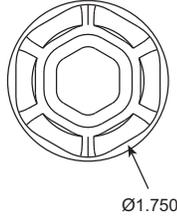
Nema Type 4, 4X, 7 & 9

XP Pilot Light Operators Dimensional Data

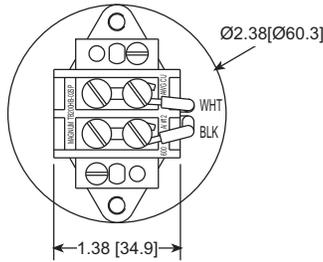
Dimensions (Inches [mm])

Note: All dimensions are for reference only

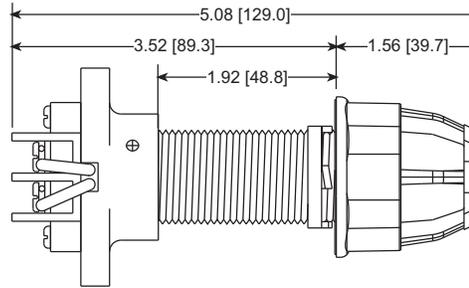
Lens Guard



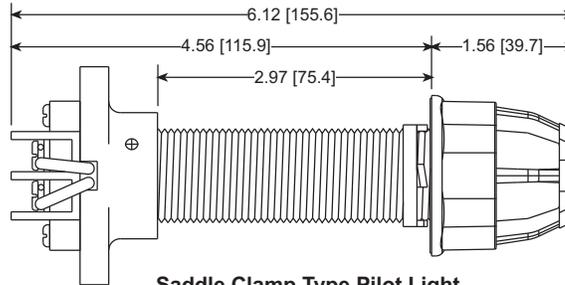
Saddle Clamp



Short Barrel

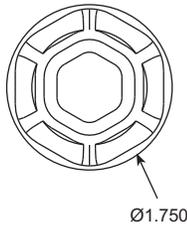


Long Barrel

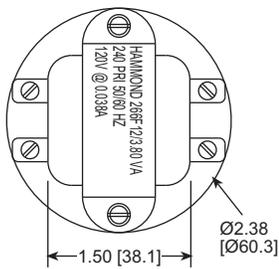


Saddle Clamp Type Pilot Light
ex. XPLL-B-TT120A

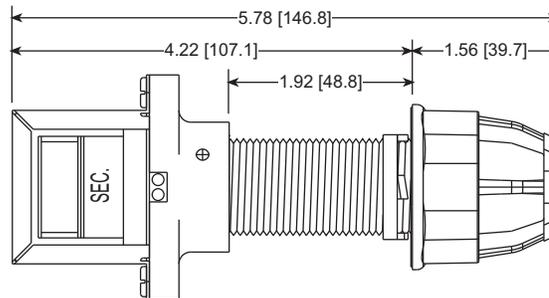
Lens Guard



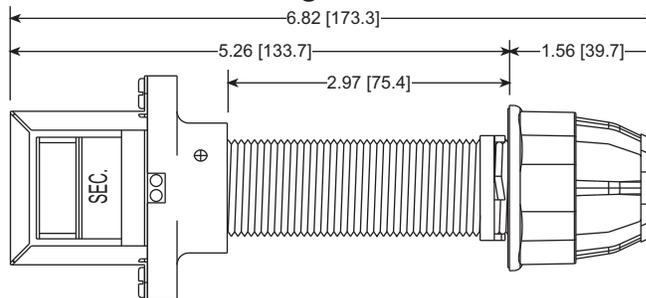
Transformer



Short Barrel



Long Barrel



Transformer Type Pilot Light
ex. XPLL-B-T120A

X
P
&
X
M

Explosion-Proof Pilot Devices

Nema Type 4, 4x, 7 & 9

Momentary Contact, Full Voltage Illuminated Pushbuttons



Illuminated Pushbutton
XPIBS-24RC

Specifications

XPIBS - **24** **R C** - **FS** (-CEN)
a b c d e ATEX Optional

a = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel

b = Voltage

Code	Description
12	12 Volts
24	24 Volts
48	48 Volts
120	120 Volts
240	240 Volts

C = Lens Color

Code	Description
A	Amber
B	Blue
G	Green
R	Red
W	White

LED Replacement Bulbs

COLOR OF LED LAMP	VOLTAGE (VAC/DC)	REPLACEMENT P/N
AMBER	12	XPLB12A
BLUE	12	XPLB12B
GREEN	12	XPLB12G
RED	12	XPLB12R
WHITE	12	XPLB12W
AMBER	24	XPLB24A
BLUE	24	XPLB24B
GREEN	24	XPLB24G
RED	24	XPLB24R
WHITE	24	XPLB24W
AMBER	48	XPLB48A
BLUE	48	XPLB48B
GREEN	48	XPLB48G
RED	48	XPLB48R
WHITE	48	XPLB48W
AMBER	120	XPLB120A
BLUE	120	XPLB120B
GREEN	120	XPLB120G
RED	120	XPLB120R
WHITE	120	XPLB120W
AMBER	240	XPLB240A
BLUE	240	XPLB240B
GREEN	240	XPLB240G
RED	240	XPLB240R
WHITE	240	XPLB240W

d = Contact Blocks

Code	Description
Blank	No Contacts
A	1 N.O.
B	1 N.C.
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C. #
*D	2 N.O. / 2 N.C.
E	1 N.C.L.B.
F	1 N.O.E.M.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

e = Accessories

Code	Description
-FS	Finger Safe Option

CONTACT ABBREVIATION

N.O. = Normally Open
 N.C. = Normally Closed
 N.C.L.B. = Normally Closed- Late Break
 N.O.E.M. = Normally Open- Early Make

All contact blocks are rated 600V unless noted.

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

Cutler Hammer standard contact blocks are used unless otherwise requested.

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. Consult factory to confirm requirements.

* Denotes multiple block configuration # 1 NO / 1 NC Contact Blocks unless otherwise specified



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP Illuminated Push Button Operators Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only



LR86146

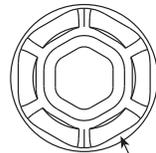


FILE NO. E203605
FILE NO. E139669



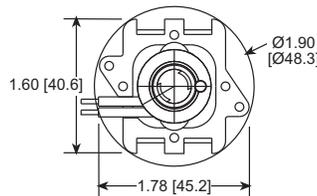
(Optional)

Lens Guard

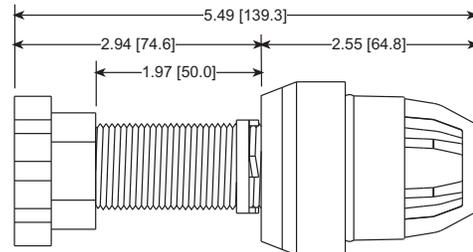


Ø1.750 [Ø44.5]

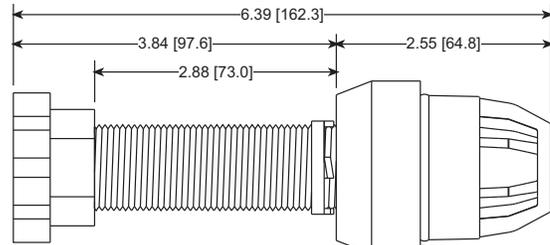
Base



Short Barrel



Long Barrel



Illuminated Push Button
ex. XPIBL-24R

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA 22.2 No. 30-LR86146 Explosion-Proof Electrical Equipment for use in Hazardous Locations.

FEATURES

- Operator bodies are black anodized & teflon impregnated.
- 3/4-14 NPSM threaded body size.
- Explosion-Proof Pilot Lights are suitable for panel or surface mount applications.
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1-1/2" thick enclosure wall thickness.
- Standard 6" flexible leads for connection to contact blocks.
- 1 N.O. / 1 N.C. Contact Block standard unless otherwise specified
- Lens cap guard comes standard with a light gray powder coat finish.
- Standard sealed construction can be re-lamped from the front by removal of the lens guard. (Disconnect power prior to performing this procedure).
- XP Pilot Light Series is equipped with bayonet receptacle bases and your choice of 12, 24, 48, 120 or 240 volt LED lamps.
- LED lamps have an operating life upwards of 100,000 hours @ 25 Deg. C ambient temperature. Specify voltage desired.
- Available light bulb colors are Red, White, Blue, Green and Amber.
- See Contact Block Information sheet for mounting and rating information.



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Momentary Contact Pushbuttons

Specifications

XPBS - FGA - FS (-CEN)
a b c d e f g ATEX Optional

a = Push Button Heads

Code	Description
B	Standard Push Button Head
MH (red or green button only)	**Standard Mushroom Head-Metal
JMH (red button only)	**Jumbo Mushroom Head-Metal
JMHE (white print/red head)	**Jumbo "Emergency Stop" Engraved

b = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel

c = Operator Type

Code	Description
E	Extended Head
F	Flush Head
R	For MH / JMH

d = Button Color

Code	Description
B	Black
BU	Blue
G	Green
R	Red
Y	Yellow

*Note: Does not apply for Jumbo

e = Rubber Boot

Code	Description
XPB-B	PB Black Boot with Guard
XPB-G	PB Green Boot with Guard
XPB-R	PB Red Boot with Guard
XPB-BU	PB Blue Boot with Guard
XPB-Y	PB Yellow Boot with Guard

*Note: This option replaces options C & D



Extended Pushbutton
XPBS-ERC

Flush Pushbutton
XPBS-FGC

f = Contact Blocks

Code	Description
Blank	No Contacts
A	1 N.O.
B	1 N.C.
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C.
*D	2 N.O. / 2 N.C.
E	1 N.C.L.B.
F	1 N.O.E.M.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

g = Accessories

Code	Description
-FS	Finger Safe Option

CONTACT ABBREVIATION

N.O.= Normally Open
 N.C.= Normally Closed
 N.C.L.B.= Normally Closed- Late Break
 N.O.E.M.= Normally Open- Early Make

All contact blocks are rated 600V unless noted.

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration

**Mushroom heads are made of Anodized Aluminum (Green or Red Only). Jumbo comes in Red only.

X
P
&
X
M



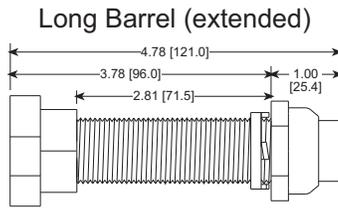
Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

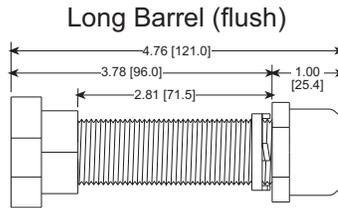
XP PUSHBUTTON OPERATORS DIMENSIONAL DATA

Dimensions (Inches [mm])

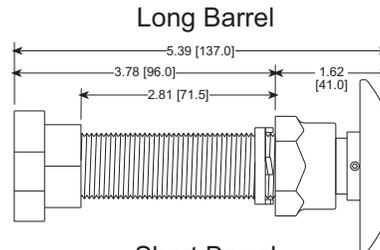
Note: All dimensions are for reference only



Long Barrel (extended)



Long Barrel (flush)



Long Barrel



LR86146

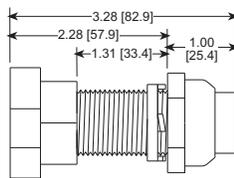


FILE NO. E203605
FILE NO. E139669
FILE NO. E181300

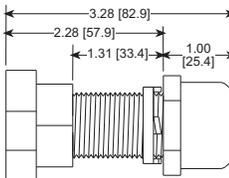


(Optional)

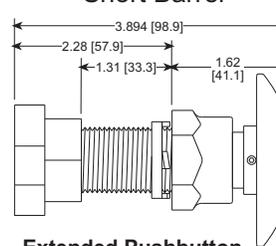
Short Barrel (extended)



Short Barrel (flush)



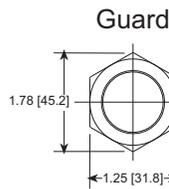
Short Barrel



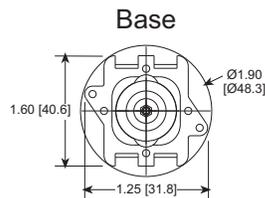
Extended Pushbutton
ex. XPBS-ER

Extended Pushbutton
ex. XPBS-FG

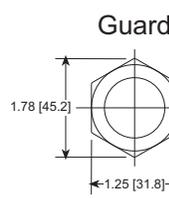
Extended Pushbutton
ex. XPJMHS-RA



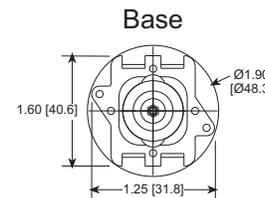
Guard



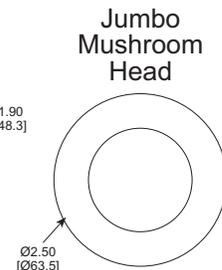
Base



Guard



Base



Jumbo
Mushroom
Head

Features

- Operator bodies are black anodized & teflon-impregnated.
- Operator shafts are stainless steel.
- 3/4-14 NPSM threaded body size.
- Explosion-proof operators are suitable for panel or surface mount applications
- **Long Series:** accommodates up to 2-1/2" thick enclosure wall thickness
- **Short Series:** accommodates up to 1" thick enclosure wall thickness
- Momentary pushbuttons are available in flush and extended versions.
- Momentary pushbuttons are molded thermoplastic protected by a machined aluminum guard.

**CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III;
NEMA TYPE 4, 4X, 7 & 9**

UL 698 Industrial Control Equipment for use in hazardous (Classified) locations.

UL 1203 Explosion-Proof and Dust-Ignition Proof Electrical Equipment for use in hazardous (Classified) locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

2 & 3 Position Push-Pull Switch Operators

Specifications



2 Position Push-Pull Switch Operator
XPPPS-2GE

XPPPS **S** - **2** **RA** - **FS** (-CEN)
a b c d e f ATEX Optional

a = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel

b = Number of Positions

Code	Description
2	2-Position
3	3-Position

c = **Mushroom Heads

Code	Description
Blank	Standard Mushroom Head
J	Jumbo Mushroom Head

Note: To engrave mushroom heads, C/F

d = Button Color

Code	Description
G	Green
R	Red

e = Contact Blocks

Code	Description
Blank	No Contacts
A	1 N.O.
B	1 N.C.
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C.
*D	2 N.O. / 2 N.C.
E	1 N.C.L.B.
F	1 N.O.E.M.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

f = Accessories

Code	Description
-FS	Finger Safe Option

CONTACT ABBREVIATION

N.O.= Normally Open
 N.C.= Normally Closed
 N.C.L.B.= Normally Closed- Late Break
 N.O.E.M.= Normally Open- Early Make
 E.C.N.O.= Early Close-Normally Open
 L.O.N.C.= Late Open-Normally Closed

All contact blocks are rated 600V unless noted.

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration

**Mushroom heads are made of Anodized Aluminum



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP 2 & 3 Position Push-Pull Operators Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only



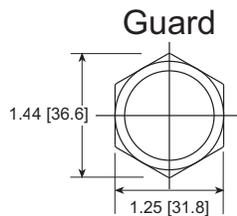
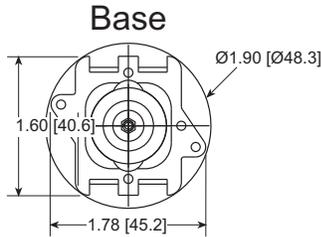
LR86146



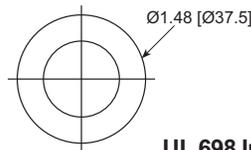
FILE NO. E203605
FILE NO. E139669
FILE NO. E181300



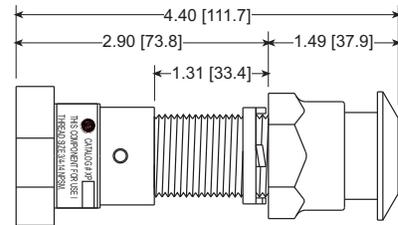
(Optional)



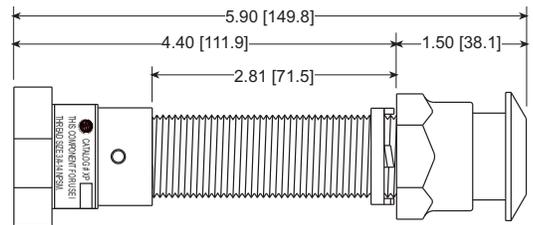
Mushroom Head Cap



Short Barrel



Long Barrel



Push-Pull Operator
ex. XPPPL-2JR

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

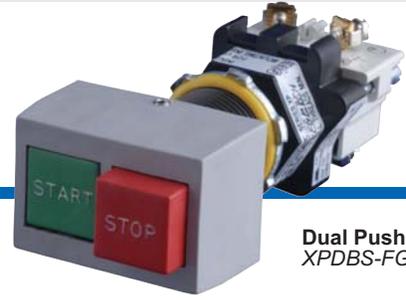
FEATURES

- Operator bodies are black anodized & teflon impregnated.
- Operating Shafts are stainless steel.
- 3/4-14 NPSM threaded body size
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1" thick enclosure wall thickness.
- Explosion-Proof Operators are suitable for panel or surface mount applications.
- See Contact Block Information sheet for mounting and rating information.
- Mushroom Push Buttons are 1-1/2" Diameter Aluminum
- Jumbo 2-1/2" Dia. Aluminum Red Mushroom Button available
- Push-Pull Operator available 2 or 3 position

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Dual Pushbuttons (Momentary)



Dual Pushbutton
XPDBS-FGERCH1

Specifications

XPDB S - FGER C H0 - FS (-CEN)
a b c d e f ATEX Optional

a = Barrel Type

Code	Description
L	Long Barrel
S	Short Barrel

b = Button Sequence & Color

Code	Description
FGER	Flush (Green), Extended (Red)
FBFB	Flush (Black), Flush (Black)

*Note - C/F for alternate combinations

d = Mounting

Code	Description
H	Horizontal
V	Vertical

e = Marking & Position

Code	Top or Left Side	Bottom or Right Side
0	BLANK	BLANK
1	START	STOP
2	ON	OFF
3	OPEN	CLOSE
4	UP	DOWN
5	FWD	REV

c = Contact Blocks

Code	Description
Blank	No Contacts
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C.
*D	2 N.O. / 2 N.C.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

f = Accessories

Code	Description
-FS	Finger Safe Option

CONTACT ABBREVIATION

N.O.= Normally Open
 N.C.= Normally Closed
 N.C.L.B.= Normally Closed- Late Break
 N.O.E.M.= Normally Open- Early Make

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration

All contact blocks are rated 600V unless noted.

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP Dual Push Button Operators Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only



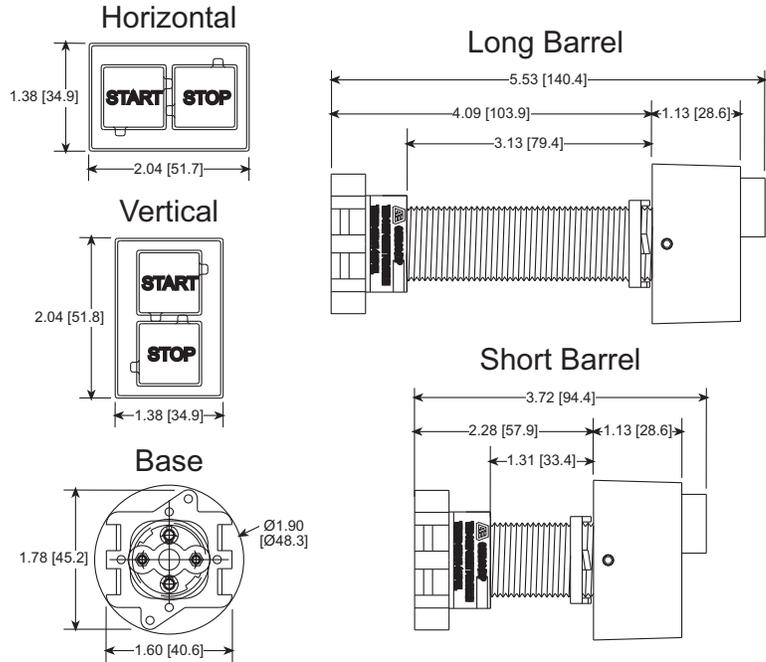
LR86146



FILE NO. E203605
FILE NO. E139669
FILE NO. E181300



(Optional)



Dual Push Button
ex. XPDBS-FGERC

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

FEATURES

- Operator bodies are black anodized & teflon impregnated.
- Operating Shafts are stainless steel.
- 3/4-14 NPSM threaded body size
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1" thick enclosure wall thickness.
- Explosion-Proof Operators are suitable for panel or surface mount applications.
- See Contact Block Information sheet for mounting and rating information.
- Dual Push Button Operators are available in horizontal or vertical button configuration.
- Dual Push Button Operators are available blank or with standard lettering.
- For Custom Engraving, Consult Factory

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Push-To-Test Pushbuttons



Push-to-Test Pushbutton
XPPTS-24RC

Specifications

XPPTT S - 24 R C (-CEN)

a *b* *c* *d* ATEX Optional

a = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel

b = Voltage

Code	Description
12	12 Volts
24	24 Volts
48	48 Volts
120	120 Volts
240	240 Volts

C = Lens Color

Code	Description
A	Amber
B	Blue
G	Green
R	Red
W	White

d = Contact Blocks

Code	Description
C	1 N.O. / 1 N.C.

CONTACT ABBREVIATION

N.O.= Normally Open
N.C.= Normally Closed

All contact blocks are rated 600V unless noted.

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration

X
P
&
X
M



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP Push-To-Test Pushbutton Operators Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only



LR86146



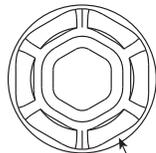
FILE NO. E203605

FILE NO. E139669

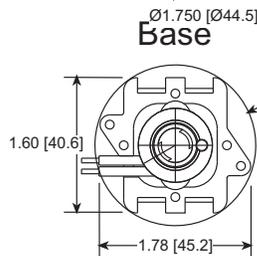


(Optional)

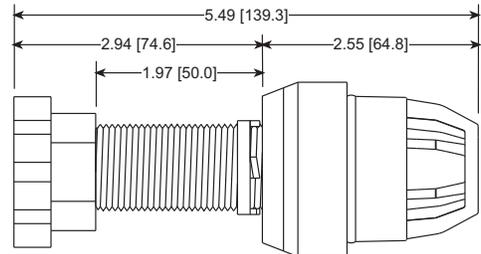
Lens Guard



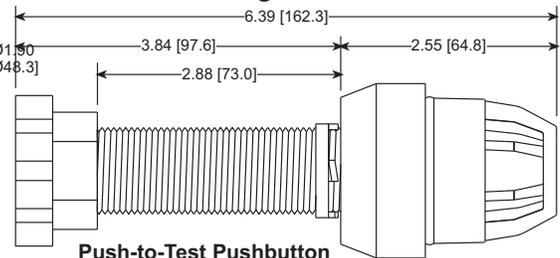
Base



Short Barrel



Long Barrel



Push-to-Test Pushbutton
ex. XPPTTL-24R

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

FEATURES

- Operator bodies are black anodized & teflon impregnated.
- 3/4-14 NPSM threaded body size.
- Explosion-Proof Pilot Lights are suitable for panel or surface mount applications.
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1-1/2" thick enclosure wall thickness.
- Lens cap guard comes standard with a light gray powder coat finish.
- Standard sealed construction can be re-lamped from the front by removal of the lens guard. (Disconnect power before performing this procedure).
- XP Pilot Light Series is equipped with bayonet receptacle bases and your choice of 12, 24, 48, 120 or 240 volt LED lamps.
- LED lamps have an operating life upwards of 100,000 hours @ 25 Deg. C ambient temperature. Specify voltage desired.
- Available light bulb colors are Red, White, Blue, Green and Amber.
- See Contact Block Information sheet for mounting and rating information.

XP & XM

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Potentiometers



Potentiometer
XPPMS-0

Specifications

XPPM S - 0 (-CEN)
a b ATEX Optional

a = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel

b = Ohms

Code	Description
0	No Pot. Element
1K	1,000 OHM
2K	2,500 OHM
5K	5,000 OHM
10K	10,000 OHM

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

*Note: All Potentiometers are single turn 2W element



FILE NO. E203605
 FILE NO. E181300
 FILE NO. E139669

LR86146

(Optional)

**CLASS I, Div 1 & 2, GROUPS B, C & D;
 CLASS II, Div 1 & 2, GROUPS E, F & G;
 CLASS III,
 NEMA TYPE 4, 4X, 7 & 9**

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

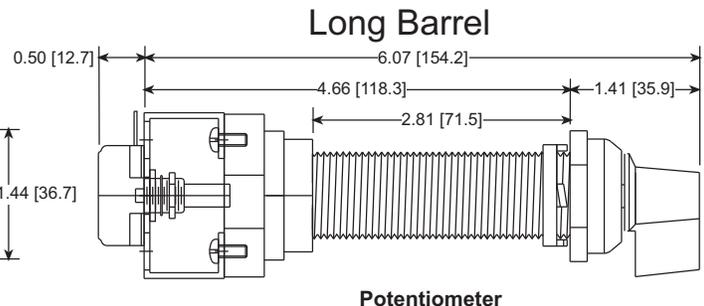
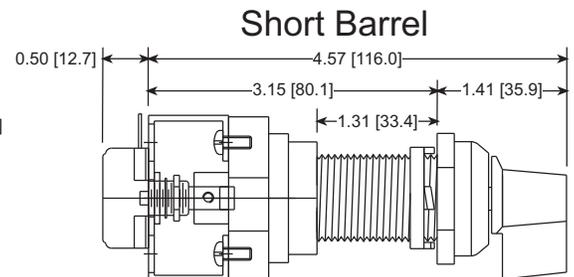
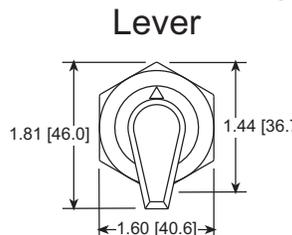
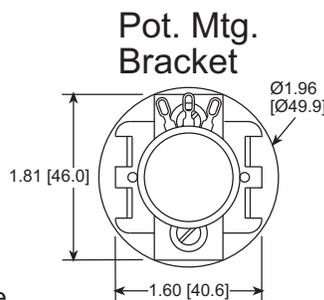
UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

Potentiometer Operators Dimensional Data

FEATURES

- Operator bodies are black anodized & teflon impregnated.
- Operating Shafts are stainless steel.
- 3/4-14 NPSM threaded body size
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1" thick enclosure wall thickness.
- Explosion-Proof Operators are suitable for panel or surface mount applications.
- Potentiometer mount will accept virtually any switch with standard 1/4" dia. shaft up to 1" long, 3/8"-16 UNC threaded bushing
- Anti-Rotation holes are located in the pot. mounting bracket
- See Contact Block Information sheet for mounting and rating information.





Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

Reset Pushbutton



Dimensions (Inches [mm])

Note: All dimensions are for reference only

XRB **(-CEN)**

a ATEX Optional

a = Barrel Type

Code	Description
S	Short Barrel
L	Long Barrel



FILE NO. E139669
FILE NO. E181300

LR86146

(Optional)

CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

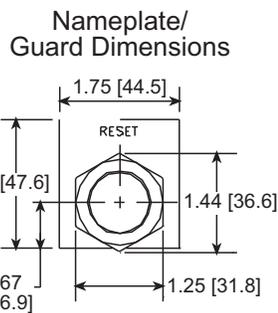
UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.

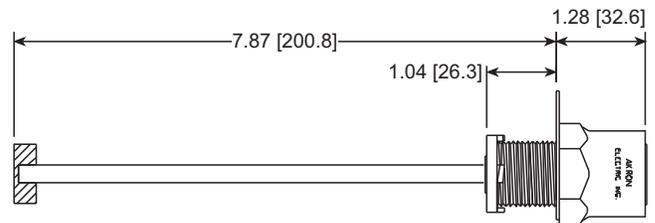
Reset Operators Dimensional Data

FEATURES

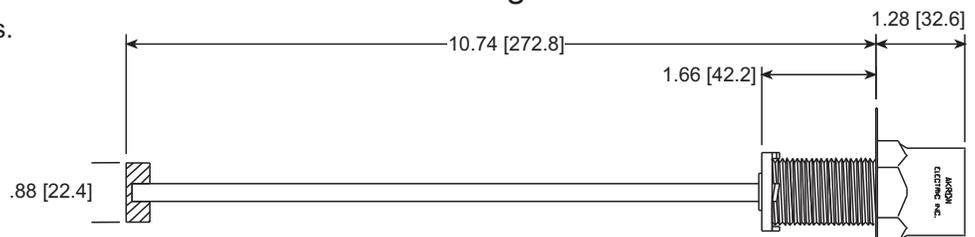
- Stainless steel shaft can be easily cut to required length.
- Operator bodies are black anodized & teflon impregnated.
- 3/4-14 NPSM threaded body size
- Explosion-Proof Resets are suitable for panel or surface mount applications.
- **Long Series:** Accommodates up to 1-7/16" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 3/4" thick enclosure wall thickness.
- NEMA 4 Sealing Locknut (standard)
- Thermoplastic button avail. in Red, Green, Blue, Yellow or Black.



Short Barrel



Long Barrel



Reset

Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

2 & 3 Position Selector Switches

Specifications

XP **2** - **S** **CC** - **AE1** - **FS** (-CEN)
a b c d e f g h ATEX Optional

a = Switch Type

Code	Description
Blank	Standard
K	Keyed

b = Number of Positions

Code	Description
2	Two Position Switch
3	Three Position Switch

C/F for Selector Switches with greater than 3 positions

c = Sequence

Code	Description
S	Maintained
C	Return to Center
R	Return From Left
L	Return From Right

d = Barrel Type

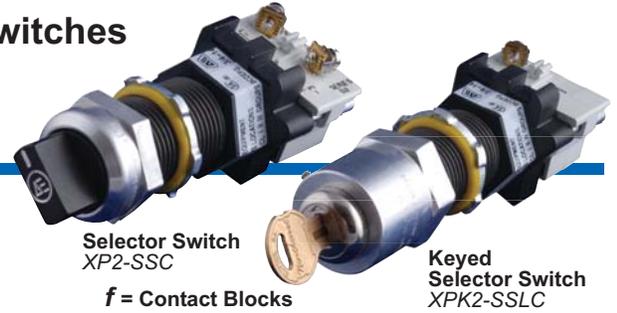
Code	Description
S	Short Barrel
L	Long Barrel

e = Key Removal Position

Code	Description
Blank	No Key
C	Center Removal
R	Right Removal
L	Left Removal

g = Unique Key Configurations

Code	Description
AE1	Key #1
AE2	Key #2
AE3	Key #3



Selector Switch
XP2-SSC

Keyed
Selector Switch
XP2-SSLC

f = Contact Blocks

Code	Description
Blank	No Contacts
A	1 N.O.
B	1 N.C.
2A	2 N.O.
2B	2 N.C.
C	1 N.O. / 1 N.C.
*D	2 N.O. / 2 N.C.
E	1 N.C.L.B.
F	1 N.O.E.M.
2E	2 N.C.L.B.
2F	2 N.O.E.M.
*G	1 N.O. / 1 N.C.L.B.
*H	1 N.C. / 1 N.C.L.B.
*J	3 N.O. / 3 N.C.
*K	4 N.O. / 4 N.C.
L	N.O.E.M.-N.C.
M	N.O.E.M.-N.O.
N	N.C.L.B.-N.O.E.M.
P	2 N.O. / 2 N.C. (300V)

h = Accessory

Code	Description
-FS	Finger Safe Options

N4= NEMA 4 locking collar is standard on all Akron Electric operators

3/4"-14 NPSM standard thread

CONTACT ABBREVIATION

N.O.= Normally Open
 N.C.= Normally Closed
 N.C.L.B.= Normally Closed- Late Break
 N.O.E.M.= Normally Open- Early Make

All contact blocks are rated 600V unless noted.

Consult factory for switching sequences with multiple contacts. Up to four contacts may be stacked.

See Cam Page for Reference to Switching Sequences.

Pushbuttons can also be used with Allen Bradley or C3 Controls contact blocks. (C/F)

*Denotes multiple block configuration



Explosion-Proof Pilot Devices

Nema Type 4, 4X, 7 & 9

XP 2 & 3 Selector Switch Operators (Keyed & Non-Keyed) Dimensional Data

Dimensions (Inches [mm])

Note: All dimensions are for reference only
CLASS I, Div 1 & 2, GROUPS B, C & D;
CLASS II, Div 1 & 2, GROUPS E, F & G;
CLASS III,
NEMA TYPE 4, 4X, 7 & 9

UL 698 Industrial Control Equipment in Hazardous (Classified) Locations.

UL 1203 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

CSA C22.2 No. 30-LR86146 Explosion-Proof Enclosures for use in Class I Hazardous locations.



FILE NO. E203605
 FILE NO. E181300
 FILE NO. E139669

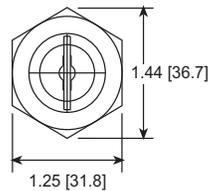
LR86146

(Optional)

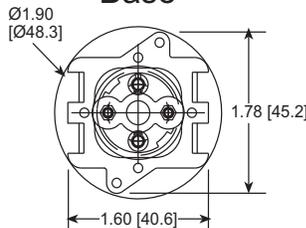
FEATURES

- Operator bodies are black anodized & teflon impregnated.
- Operating Shafts are stainless steel.
- 3/4-14 NPSM threaded body size
- **Long Series:** Accommodates up to 2-1/2" thick enclosure wall thickness.
- **Short Series:** Accommodates up to 1" thick enclosure wall thickness.
- Explosion-Proof Operators are suitable for panel or surface mount applications.
- See Contact Block Information sheet for mounting and rating information.
- Selector Switches available in 2 or 3 positions (For Keyed - specify key removal position)
- Three unique key configurations available - Specify AE1, AE2, or AE3

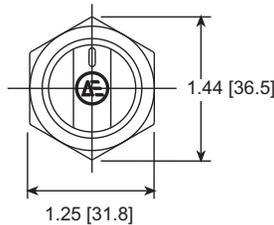
Guard



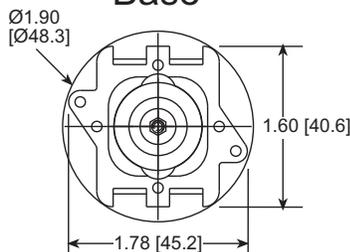
Base



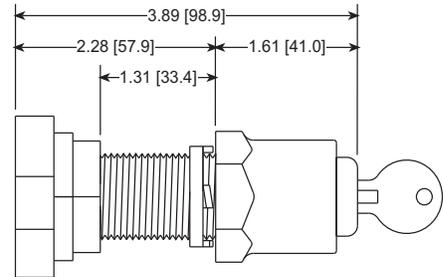
Guard



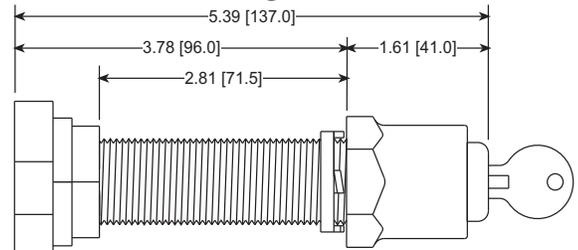
Base



Short Barrel

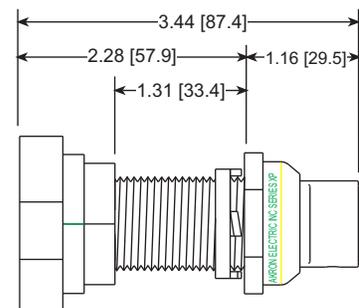


Long Barrel

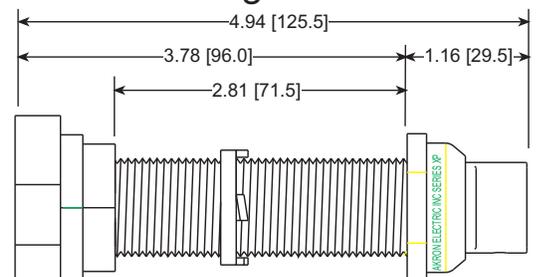


Keyed Selector Switch
ex. XPK2-SSL

Short Barrel



Long Barrel



Selector Switch
ex. XP2-SS

Explosion-Proof Selector Switches

Nema Type 4, 4X, 7 & 9

Selector Switch Contact Sequence Chart

Contact Block Switching Sequences (Standard Installation)

AE SUFFIX	CONTACT BLOCK (AE)	CONTACT BLOCK (CH)	CIRCUIT OF CONTACT BLOCK	MTG POS.	2 POSITION		3 POSITION						
					CAM 1	CAM 2	CAM 3	CAM 4	CAM 5	CAM 6			
KNOB POSITION →					L	R	L	C	R	L	C	R	
"A"	2003ABB	10250T53	1 N.O.	A	O	X	O	O	X	X	O	O	X
"B"	2003AAB	10250T51	1 N.C.	A	X	O	X	X	O	O	X	O	O
"2A"	2003AEB	10250T2	1 N.O. 1 N.O.	A B	O X	X O	O X	O X	X O	X O	O X	O X	O X
"2B"	2003ADB	10250T3	1 N.C. 1 N.C.	A B	X O	O X	X O	X O	O X	O X	O X	O X	O X
"C"	2003ACB	10250T1	1 N.C. 1 N.O.	A B	X O	X O	X O	O X	X O	O X	O X	O X	O X
"D"	(2) 2003ACB	(2) 10250T1	2 N.C. 2 N.O.	A B	X O	X O	X O	O X	X O	O X	O X	O X	O X
"E"	2003AGB	10250T71	1 N.C.L.B	A	X	O	X	X	O	O	X	O	O
"2E"	2003AHB	10250T45	1 N.C.L.B. 1 N.C.L.B.	A B	X O	X O	O X	X O	X O	O X	O X	O X	O X
"J"	(3) 2003ACB	(3) 10250T1	3 N.C. 3 N.O.	A B	X O	X O	X O	O X	X O	O X	O X	O X	O X
"K"	(4) 2003ACB	(4) 10250T1	4 N.C. 4 N.O.	A B	X O	X O	X O	O X	X O	O X	O X	O X	O X
"L"	2003AJB	10250T47	1 E.C.N.O. 1 N.C.	A B	O X	X O	O X	X O	O X	X O	X O	X O	X O
"M"	2003AKB	10250T57	1 E.C.N.O. 1	A B	O X	X O	O X	O X	O X	X O	X O	O X	O X
"N"	2003ALB	10250T55	1 L.O.N.C. 1 E.C.N.O.	A B	X O	X O	X O	O X	X O	O X	X O	X O	X O
"P"	2003AFB -RATED- -300V	10250T44 -RATED- -300V	1 N.C. 1 N.O. 1 N.C. 1 N.O.	A A B B	X O X O	X O O X	X O O X	O X O O	X O X O	O X O X	O X O X	O X O X	O X O X

Inverted Contact Blocks (Rotated 180° from Standard)

AE SUFFIX	CONTACT BLOCK (AE)	CONTACT BLOCK (CH)	CIRCUIT OF CONTACT BLOCK	MTG POS.	2 POSITION		3 POSITION						
					CAM 1	CAM 2	CAM 3	CAM 4	CAM 5	CAM 6			
KNOB POSITION →					L	R	L	C	R	L	C	R	
"A*"	2003ABB	10250T53	1 N.O.	B	O	X	X	O	X	O	X	X	O
"B*"	2003AAB	10250T51	1 N.C.	B	X	O	O	X	O	X	O	O	X
"E*"	2003AGB	10250T71	1 N.C.L.B	B	X	O	O	X	O	X	O	O	X
"C*"	2003ACB	10250T1	1 N.O. 1 N.C.	A B	O X	X O	O X	X O	O X	X O	O X	X O	O X
"D*"	(2) 2003ACB	(2) 10250T1	2 N.O. 2 N.C.	A B	O X	X O	O X	X O	O X	X O	X O	O X	O X
"J*"	(3) 2003ACB	(3) 10250T1	3 N.O. 3 N.C.	A B	O X	X O	O X	X O	O X	X O	O X	X O	O X
"K*"	(4) 2003ACB	(4) 10250T1	4 N.O. 4 N.C.	A B	O X	X O	O X	X O	O X	X O	O X	X O	O X
"L*"	2003AJB	10250T47	1 L.O.N.C. 1 E.C.N.O.	A B	X O	X O	X O	X O	O X	X O	X O	X O	X O
"M*"	2003AKB	10250T57	1 N.O. 1 E.C.N.O.	A B	O X	X O	O X	O X	O X	X O	X O	O X	O X
"N*"	2003ALB	10250T55	1 E.C.N.O. 1 L.O.N.C.	A B	O X	X O	O X	X O	X O	X O	X O	X O	X O

Note: Please consult our Engineering Department for assistance with the interpretation of this chart



Explosion-Proof Mini Pilot Light "XMPL" Series



"When operator space is tight use our XMPL Mini Pilot Series. Illumination is five times brighter than our competitors"

Features:

- LED bulb with 100,000 hours operating life under normal conditions
- EXTRA bright LED bulb is five times brighter than our competitors
- Glass tube construction with ground outside edge allows for wider viewing angle of up to 130 degrees
- Universal bulb for AC and DC applications
- Nema 4X standard construction included
- Available in three lengths; extra short, short and long
- Manufactured in our factory for "quick delivery"
- Certified for 1" center to center spacing in our CXI Series (Groups C & D)
- Shunt Resistor Bulbs available-consult factory if "leakage concerns" exist

Specifications:

- Uni-Body one piece black anodized body, 3/8-16 UNC thread size and lens
- Furnished with 8" flexible 18 gauge wire leads
- LED bulb available voltages of 12V, 24V, 120V (AC/DC)
- Colors available: Amber, Blue, Green, Red and White
- Lens diameter is 3/16"
- Body Type Sizes: extra short, short and long
 - Long- enclosure wall or cover thickness 1-13/16" max.
 - Short- enclosure wall or cover thickness 1-5/16" max.
 - Extra short- enclosure wall or cover thickness of 9/16" max.



Certificate
Number
03.059.1

**ISO
9001 with Design**

Approvals:

UL CLASSIFIED - Standard 698 - E203605
cUL - Standard C22.2 - No. 30 - E203605

Compliances:

N.E.C. - Class. I, Div. 1 & 2 Groups B, C & D
Class. II, Div. 1 & 2 Groups E, F & G
Class. III
NEMA 4, 4X, 7 & 9

EXTRA SHORT BARREL

12 VOLT

XMPLES-12A = Amber 12V AC/DC Pilot Light Extra Short Barrel
XMPLES-12B = Blue 12V AC/DC Pilot Light Extra Short Barrel
XMPLES-12G = Green 12V AC/DC Pilot Light Extra Short Barrel
XMPLES-12R = Red 12V AC/DC Pilot Light Extra Short Barrel
XMPLES-12W = White 12V AC/DC Pilot Light Extra Short Barrel

24 VOLT

XMPLES-24A = Amber 24V AC/DC Pilot Light Extra Short Barrel
XMPLES-24B = Blue 24V AC/DC Pilot Light Extra Short Barrel
XMPLES-24G = Green 24V AC/DC Pilot Light Extra Short Barrel
XMPLES-24R = Red 24V AC/DC Pilot Light Extra Short Barrel
XMPLES-24W = White 24V AC/DC Pilot Light Extra Short Barrel

120 VOLT

XMPLES-120A = Amber 120V AC/DC Pilot Light Extra Short Barrel
XMPLES-120B = Blue 120V AC/DC Pilot Light Extra Short Barrel
XMPLES-120G = Green 120V AC/DC Pilot Light Extra Short Barrel
XMPLES-120R = Red 120V AC/DC Pilot Light Extra Short Barrel
XMPLES-120W = White 120V AC/DC Pilot Light Extra Short Barrel

SHORT BARREL

12 VOLT

XMPLS-12A = Amber 12V AC/DC Pilot Light Short Barrel
XMPLS-12B = Blue 12V AC/DC Pilot Light Short Barrel
XMPLS-12G = Green 12V AC/DC Pilot Light Short Barrel
XMPLS-12R = Red 12V AC/DC Pilot Light Short Barrel
XMPLS-12W = White 12V AC/DC Pilot Light Short Barrel

24 VOLT

XMPLS-24A = Amber 24V AC/DC Pilot Light Short Barrel
XMPLS-24B = Blue 24V AC/DC Pilot Light Short Barrel
XMPLS-24G = Green 24V AC/DC Pilot Light Short Barrel
XMPLS-24R = Red 24V AC/DC Pilot Light Short Barrel
XMPLS-24W = White 24V AC/DC Pilot Light Short Barrel

120 VOLT

XMPLS-120A = Amber 120V AC/DC Pilot Light Short Barrel
XMPLS-120B = Blue 120V AC/DC Pilot Light Short Barrel
XMPLS-120G = Green 120V AC/DC Pilot Light Short Barrel
XMPLS-120R = Red 120V AC/DC Pilot Light Short Barrel
XMPLS-120W = White 120V AC/DC Pilot Light Short Barrel

LONG BARREL

12 VOLT

XMPLL-12A = Amber 12V AC/DC Pilot Light Long Barrel
XMPLL-12B = Blue 12V AC/DC Pilot Light Long Barrel
XMPLL-12G = Green 12V AC/DC Pilot Light Long Barrel
XMPLL-12R = Red 12V AC/DC Pilot Light Long Barrel
XMPLL-12W = White 12V AC/DC Pilot Light Long Barrel

24 VOLT

XMPLL-24A = Amber 24V AC/DC Pilot Light Long Barrel
XMPLL-24B = Blue 24V AC/DC Pilot Light Long Barrel
XMPLL-24G = Green 24V AC/DC Pilot Light Long Barrel
XMPLL-24R = Red 24V AC/DC Pilot Light Long Barrel
XMPLL-24W = White 24V AC/DC Pilot Light Long Barrel

120 VOLT

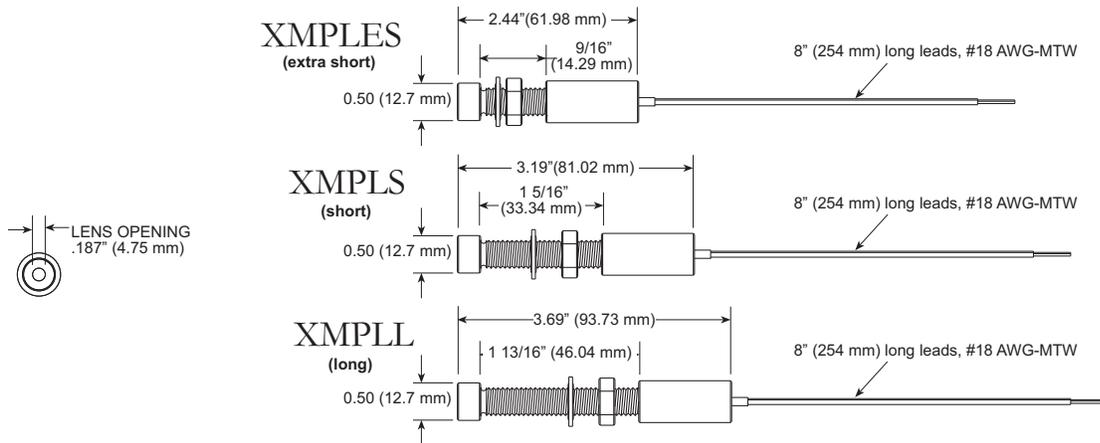
XMPLL-120A = Amber 120V AC/DC Pilot Light Long Barrel
XMPLL-120B = Blue 120V AC/DC Pilot Light Long Barrel
XMPLL-120G = Green 120V AC/DC Pilot Light Long Barrel
XMPLL-120R = Red 120V AC/DC Pilot Light Long Barrel
XMPLL-120W = White 120V AC/DC Pilot Light Long Barrel

ACCESSORIES

XR238A = 3/4" NPT to 3/8-16" NPSM Aluminum Reducer
XR238S = 3/4" NPT to 3/8-16" NPSM Stainless Steel Reducer
XMPBP = Mini operator "close-up" plug
MN6 = Mini legend plate 7/8" square with 1/8" lettering

Explosion-Proof Mini Pilot Light "XMPL" Series

Product Data Sheet



Catalog Number Information

XMPL ES-120 R

Explosion-Proof Mini Pilot Light

Body Type

ES= Extra Short; Enclosure wall or cover thickness 9/16" max.

S= Short; Enclosure wall or cover thickness 1 5/16" max.

L= Long; Enclosure wall or cover thickness 1 13/16" max.

Voltage (AC/DC)

12: 12V, 24: 24V, 120: 120V

Color

A: Amber (Luminous; 600 mcd)

B: Blue (Luminous; 600 mcd)

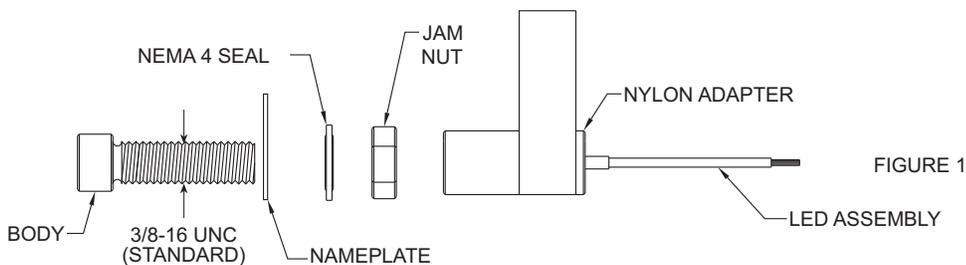
G: Green (Luminous; 2000 mcd)

R: Red (Luminous; 780 mcd)

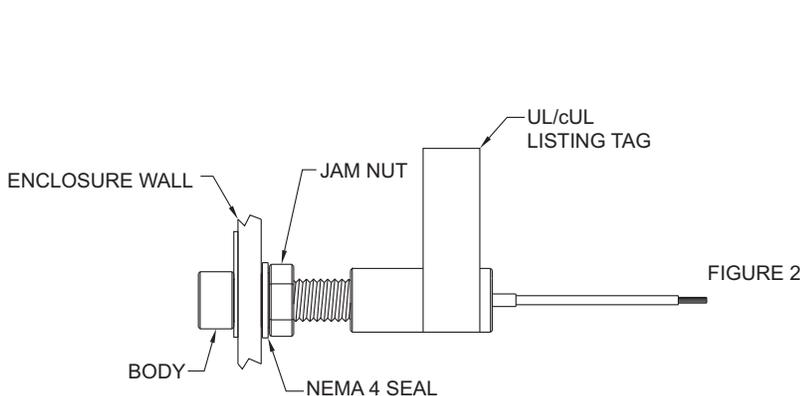
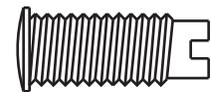
W: White (Luminous; 1300 mcd)

mcd= millicandella

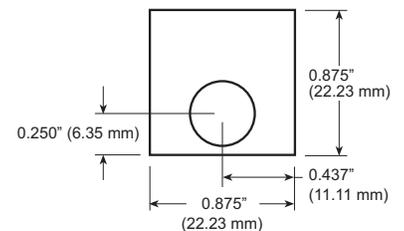
Installation Detail



XMPBP
Mini Operator
"Close Up" Plug



MN6
Mini Name Plate



- Black anodized aluminum
- Letter height 1/8"
- Maximum 7 characters
- Consult factory for special requirements



Explosion-Proof Mini Pushbutton “XMPB” Series



“When operator space is tight use our XMPB Mini Pushbutton Series.

Features:

- Reduce size of control enclosure requirements in hazardous environments
- Mount on 1" center to center vs. standard operators requiring 2-1/2"
- No special enclosures required
- Can be installed in most Akron Electric Enclosures

Specifications:

- Mounts in 3/8"-16 UNC threaded holes
- Black anodized teflon coated bodies
- Stainless Steel actuator shaft
- Plastic buttons available in yellow, green, red and black
- Insulation resistance 1,000 megohm minimum
- Furnished with contact block having 8" wire leads (c/f for custom lengths)
- XMPB 1, 2 & 3 rated 6 amp @ 120 VAC, 3 amp @ 250 VAC
- XMPB 4 rated 1 amp @ 120 VAC
- Body Type Sizes: short and long
 - Long- enclosure wall or cover thickness 1-9/16" max
 - Short- enclosure wall or cover thickness 1" max



Approvals:

UL CLASSIFIED - Standard 698 - E203605
 cUL - Standard C22.2 - No. 30 - E203605
 CSA - Standard C22.2 - No. 30-1986 - LR86146

Compliances:

N.E.C. - Class. I, Div. 1 & 2 Groups B, C & D
 Class. II, Div. 1 & 2 Groups E, F & G
 Class. III
 NEMA 4, 4X, 7 & 9



ATEX (Optional)

Ex II 2 G Ex d IIB + H2; Ex II 2 D IIB + H2
 IP66, if installed in IP66 Enclosure

SHORT BARREL

XMPBS1

- XMPBS-1B = Mini Pushbutton Short Barrel SPDT Maintained (Black)
- XMPBS-1G = Mini Pushbutton Short Barrel SPDT Maintained (Green)
- XMPBS-1R = Mini Pushbutton Short Barrel SPDT Maintained (Red)
- XMPBS-1Y = Mini Pushbutton Short Barrel SPDT Maintained (Yellow)

XMPBS2

- XMPBS-2B = Mini Pushbutton Short Barrel SPDT Momentary (Black)
- XMPBS-2G = Mini Pushbutton Short Barrel SPDT Momentary (Green)
- XMPBS-2R = Mini Pushbutton Short Barrel SPDT Momentary (Red)
- XMPBS-2Y = Mini Pushbutton Short Barrel SPDT Momentary (Yellow)

XMPBS3

- XMPBS-3B = Mini Pushbutton Short Barrel DPDT Maintained (Black)
- XMPBS-3G = Mini Pushbutton Short Barrel DPDT Maintained (Green)
- XMPBS-3R = Mini Pushbutton Short Barrel DPDT Maintained (Red)
- XMPBS-3Y = Mini Pushbutton Short Barrel DPDT Maintained (Yellow)

XMPBS4

- XMPBS-4B = Mini Pushbutton Short Barrel DPDT Momentary (Black)
- XMPBS-4G = Mini Pushbutton Short Barrel DPDT Momentary (Green)
- XMPBS-4R = Mini Pushbutton Short Barrel DPDT Momentary (Red)
- XMPBS-4Y = Mini Pushbutton Short Barrel DPDT Momentary (Yellow)

LONG BARREL

XMPBL1

- XMPBL-1B = Mini Pushbutton Long Barrel SPDT Maintained (Black)
- XMPBL-1G = Mini Pushbutton Long Barrel SPDT Maintained (Green)
- XMPBL-1R = Mini Pushbutton Long Barrel SPDT Maintained (Red)
- XMPBL-1Y = Mini Pushbutton Long Barrel SPDT Maintained (Yellow)

XMPBL2

- XMPBL-2B = Mini Pushbutton Long Barrel SPDT Momentary (Black)
- XMPBL-2G = Mini Pushbutton Long Barrel SPDT Momentary (Green)
- XMPBL-2R = Mini Pushbutton Long Barrel SPDT Momentary (Red)
- XMPBL-2Y = Mini Pushbutton Long Barrel SPDT Momentary (Yellow)

XMPBL3

- XMPBL-3B = Mini Pushbutton Long Barrel DPDT Maintained (Black)
- XMPBL-3G = Mini Pushbutton Long Barrel DPDT Maintained (Green)
- XMPBL-3R = Mini Pushbutton Long Barrel DPDT Maintained (Red)
- XMPBL-3Y = Mini Pushbutton Long Barrel DPDT Maintained (Yellow)

XMPBL4

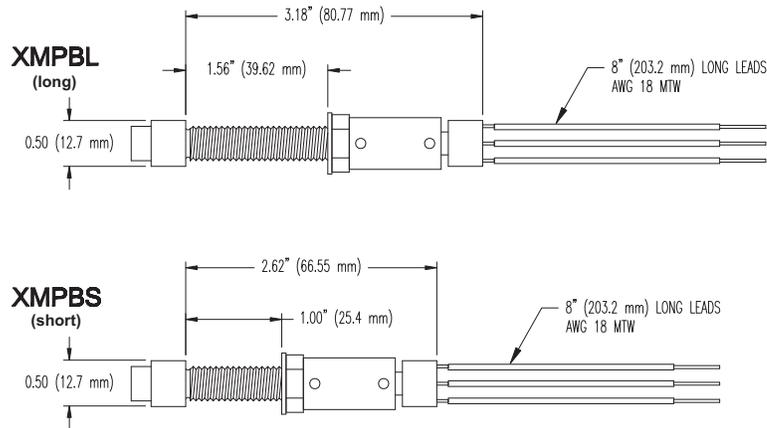
- XMPBL-4B = Mini Pushbutton Long Barrel DPDT Momentary (Black)
- XMPBL-4G = Mini Pushbutton Long Barrel DPDT Momentary (Green)
- XMPBL-4R = Mini Pushbutton Long Barrel DPDT Momentary (Red)
- XMPBL-4Y = Mini Pushbutton Long Barrel DPDT Momentary (Yellow)

ACCESSORIES

- XMPBP = Mini operator “close-up” plug
- MN6 = Mini legend plate 7/8" square with 1/8" lettering

Explosion-Proof Mini Pushbutton “XMPB” Series

Product Data Sheet



Catalog Number Information

XMPB S-1 R

Explosion-Proof Mini Pushbutton

Body Type

S= Short; Enclosure wall or cover thickness 1" max.

L= Long; Enclosure wall or cover thickness 1-9/16" max.

Specifications

1: SPDT, Maintained; 2: SPDT, Momentary

3: DPDT, Maintained; 4: DPDT, Momentary

Color

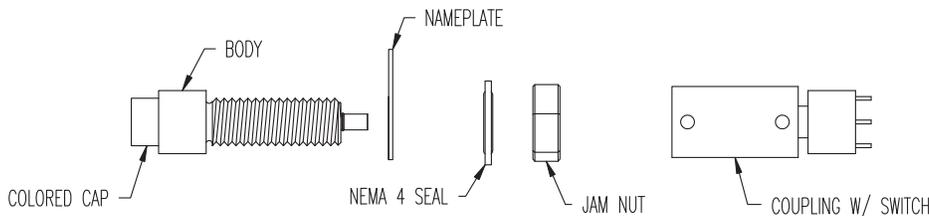
B: Black

G: Green

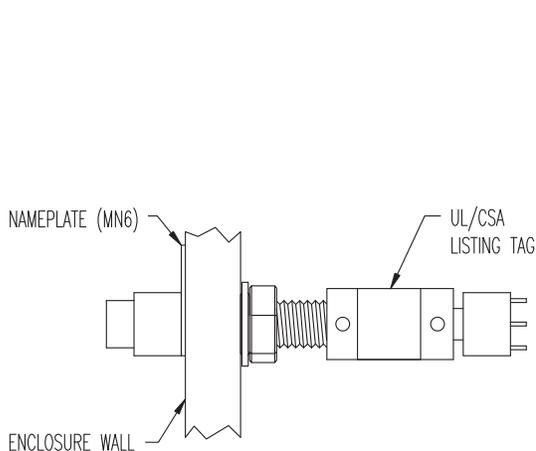
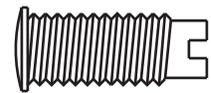
R: Red

Y: Yellow

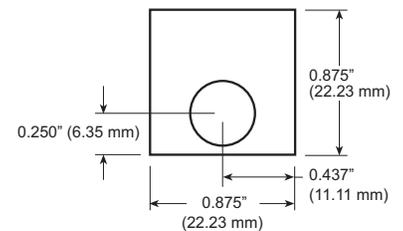
Installation Detail



XMPBP
Mini Operator
“Close Up” Plug



MN6
Mini Name Plate



- Black anodized aluminum
- Letter height 1/8"
- Maximum 7 characters
- Consult factory for special requirements



Explosion-Proof Mini Reset “XMR” Series



SHORT BARREL

XMRS*

- XMRSR** = Mini Reset Short Barrel (Red)
- XMRSB** = Mini Reset Short Barrel (Black)
- XMRSG** = Mini Reset Short Barrel (Green)
- XMRSY** = Mini Reset Short Barrel (Yellow)

XMRS Shaft Length Specifications

- | | |
|----------------------------|-------------|
| XMRSR = Min = 0.25" | Max = 2.44" |
| XMRSB = Min = 0.25" | Max = 2.44" |
| XMRSG = Min = 0.25" | Max = 2.44" |
| XMRSY = Min = 0.25" | Max = 2.44" |

LONG BARREL

XMRL**

- XMRLR** = Mini Reset Long Barrel (Red)
- XMRLB** = Mini Reset Long Barrel (Black)
- XMRLG** = Mini Reset Long Barrel (Green)
- XMRLY** = Mini Reset Long Barrel (Yellow)

XMRL Shaft Length Specifications

- | | |
|----------------------------|-------------|
| XMRLR = Min = 0.25" | Max = 2.44" |
| XMRLB = Min = 0.25" | Max = 2.44" |
| XMRLG = Min = 0.25" | Max = 2.44" |
| XMRLY = Min = 0.25" | Max = 2.44" |

* - C/F for recommended enclosure sizes

ACCESSORIES

- XMPBP** = Mini operator “close-up” plug
- MN6** = Mini legend plate 7/8" square with 1/8" lettering

“When operator space is tight use our XMR Mini Reset Series.

Features:

- Reduce size of control enclosure requirements in hazardous environments
- Mount on 1" center to center vs. standard operators requiring 2-1/2"
- No special enclosures required
- Can be installed in most Akron Electric Enclosures
- High impact plastic buttons available in red, black, green and yellow
- Stainless Steel actuator shaft can be cut to length
- Black anodized, teflon-coated bodies

Specifications:

- Mounts in 3/8"-16 UNC threaded holes
- Body Type Sizes: short and long
 - Short- enclosure wall or cover thickness 1-3/16" max
 - Long- enclosure wall or cover thickness 1-3/4" max



Certificate
Number
03.059.1

**ISO
9001 with Design**

Approvals:

- UL CLASSIFIED - Standard 698 - E203605
- CSA - Standard C22.2 - No. LR86146

Compliances:

- N.E.C. - Class. I, Div. 1 & 2 Groups B, C & D
- Class. II, Div. 1 & 2 Groups E, F & G
- Class. III
- NEMA 4, 4X, 7 & 9



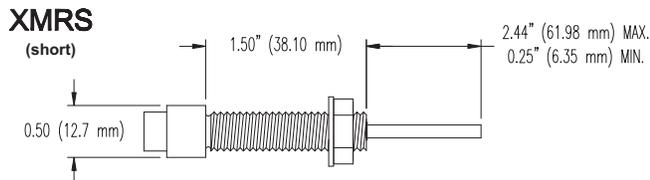
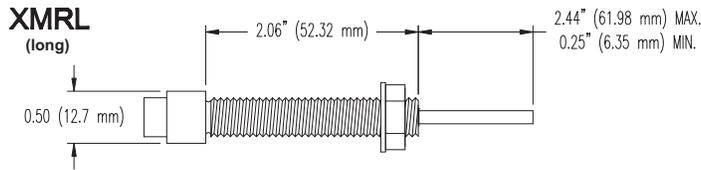
ATEX (Optional)

- II 2 G Ex d IIB + H2; II 2 D IIB + H2
- IF_{Ex}, if installed in IP66 E_{Ex} enclosure

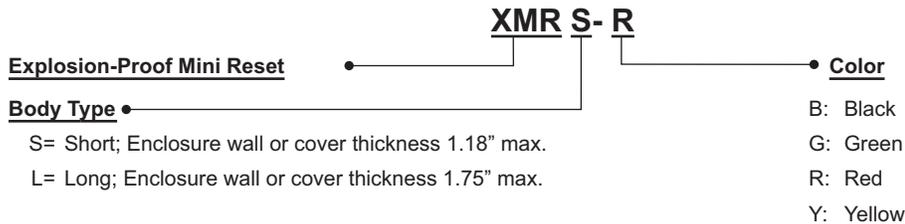


Explosion-Proof Mini Reset "XMR" Series

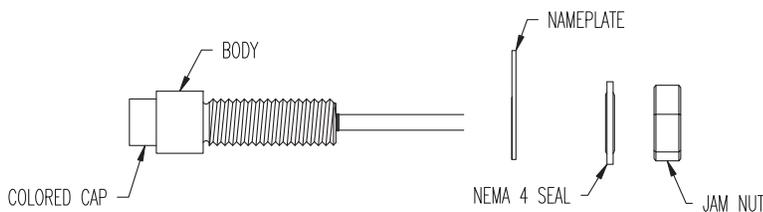
Product Data Sheet



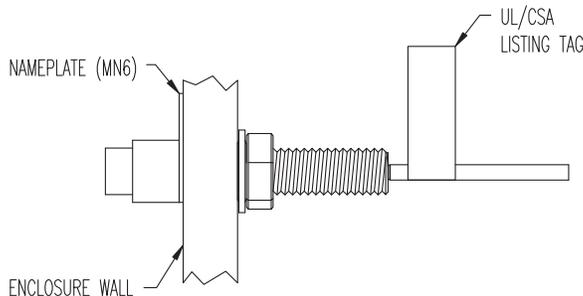
Catalog Number Information



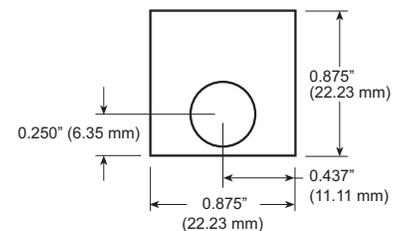
Installation Detail



XMPBP
Mini Operator
"Close Up" Plug



MN6
Mini Name Plate



- Black anodized aluminum
- Letter height 1/8"
- Maximum 7 characters
- Consult factory for special requirements



Explosion-Proof Mini Selector Switch “XMSS” Series



“When operator space is tight use our XMSS Mini Selector Switch Series.

Features:

- Reduce size of control enclosure requirements in hazardous environments
- Mount on 1” center to center vs. standard operators requiring 2-1/2”
- No special enclosures required
- Can be installed in most Akron Electric Enclosures
- 2 through 12 positions with 1, 2 & 4 poles available
- Black Anodized bodies
- 3/8”-16 UNC thread size
- NEMA 4X standard Construction

Specifications:

- Stainless Steel actuator shaft
- Body Type Sizes: short and long
 - Short- enclosure wall or cover thickness 3/4” max
 - Long- enclosure wall or cover thickness 2” max



Approvals:

UL CLASSIFIED - Standard 698 - E203605
cUL - Standard C22.2 - No. 30 - E203605

Compliances:

N.E.C. - Class. I, Div. 1 & 2 Groups B, C & D
Class. II, Div. 1 & 2 Groups E, F & G
Class. III
NEMA 4, 4X, 7 & 9

SHORT BARREL

XMSS1

- XMSS1-2 = 2 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-3 = 3 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-4 = 4 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-5 = 5 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-6 = 6 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-7 = 7 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-8 = 8 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-9 = 9 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-10 = 10 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-11 = 11 Position Mini Selector Switch - 1 Pole - Short Barrel
- XMSS1-12 = 12 Position Mini Selector Switch - 1 Pole - Short Barrel

XMSS2

- XMSS2-2 = 2 Position Mini Selector Switch - 2 Poles - Short Barrel
- XMSS2-3 = 3 Position Mini Selector Switch - 2 Poles - Short Barrel
- XMSS2-4 = 4 Position Mini Selector Switch - 2 Poles - Short Barrel
- XMSS2-5 = 5 Position Mini Selector Switch - 2 Poles - Short Barrel
- XMSS2-6 = 6 Position Mini Selector Switch - 2 Poles - Short Barrel

XMSS4

- XMSS4-2 = 2 Position Mini Selector Switch - 4 Poles - Short Barrel
- XMSS4-3 = 3 Position Mini Selector Switch - 4 Poles - Short Barrel

LONG BARREL

XMSL1

- XMSL1-2 = 2 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-3 = 3 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-4 = 4 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-5 = 5 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-6 = 6 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-7 = 7 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-8 = 8 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-9 = 9 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-10 = 10 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-11 = 11 Position Mini Selector Switch - 1 Pole - Long Barrel
- XMSL1-12 = 12 Position Mini Selector Switch - 1 Pole - Long Barrel

XMSL2

- XMSL2-2 = 2 Position Mini Selector Switch - 2 Poles - Long Barrel
- XMSL2-3 = 3 Position Mini Selector Switch - 2 Poles - Long Barrel
- XMSL2-4 = 4 Position Mini Selector Switch - 2 Poles - Long Barrel
- XMSL2-5 = 5 Position Mini Selector Switch - 2 Poles - Long Barrel
- XMSL2-6 = 6 Position Mini Selector Switch - 2 Poles - Long Barrel

XMSL4

- XMSL4-2 = 2 Position Mini Selector Switch - 4 Poles - Long Barrel
- XMSL4-3 = 3 Position Mini Selector Switch - 4 Poles - Long Barrel

ACCESSORIES

- XMPBP = Mini operator “close-up” plug
- MN6 = Mini legend plate 7/8” square with 1/8” lettering

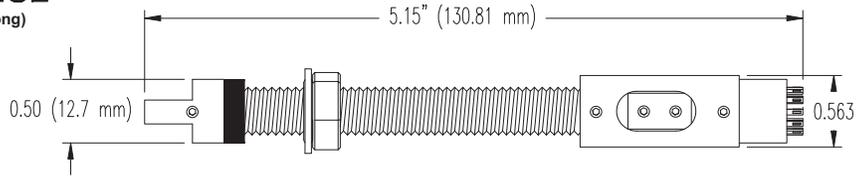


X
P
&
X
M

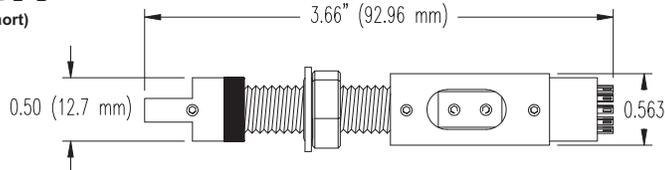
Explosion-Proof Mini Selector Switch "XMSS" Series

Product Data Sheet

XMSSL (long)



XMSS (short)



Catalog Number Information

XMSS 1 - 10

Explosion-Proof Mini Selector Switch

Body Type

S= Short; Enclosure wall or cover thickness 3/4" max.

L= Long; Enclosure wall or cover thickness 2" max.

No. of Poles

1: 1 Pole; 2: 2 Poles

4: 4 Poles

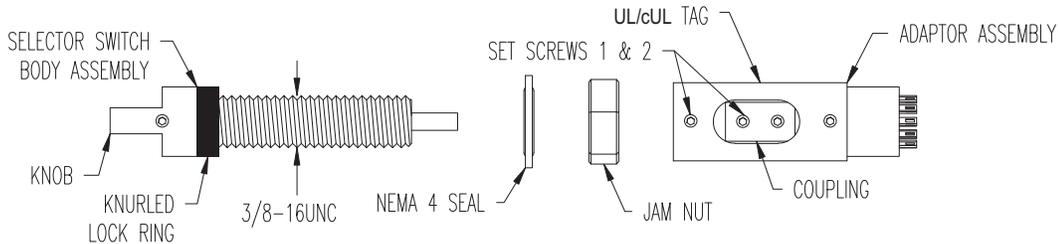
No. of Positions

1 Pole: 2-12 Positions

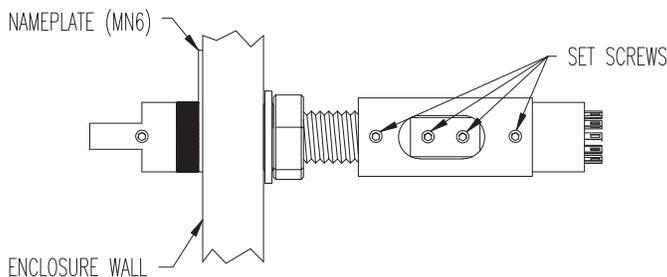
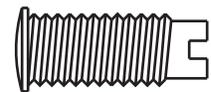
2 Poles: 2-6 Positions

4 Poles: 2 or 3 Positions

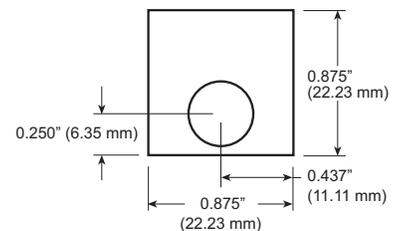
Installation Detail



XMPBP Mini Operator "Close Up" Plug



MN6 Mini Name Plate



- Black anodized aluminum
- Letter height 1/8"
- Maximum 7 characters
- Consult factory for special requirements



Explosion-Proof Pilot Devices

Nema Type 7, 9, 4 & 4X

Legend Plate Options



Specifications

Legend Plate Standard Inscriptions

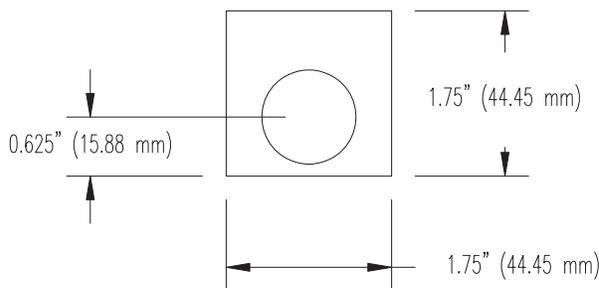
CLOSE
DOWN
EMERGENCY STOP (RED)
FAST
FORWARD-OFF-REVERSE
FORWARD
HAND-OFF-AUTO
HIGH
IN
JOG
LOW
LOWER
OFF
OFF-ON
ON

Legend Plate Standard Inscriptions

ON-OFF
OPEN
OUT
POWER ON
RAISE
RAISE-OFF-LOWER
RESET
REVERSE
RUN
START
STOP (RED)
TEST
UP
UP-DOWN
UP-OFF-DOWN

Note: For alternate inscriptions (Many other standard inscriptions available), please consult factory

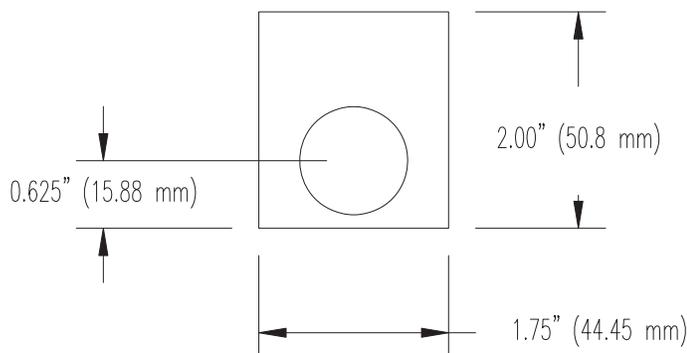
N6
Standard Legend Plate



N7
Phenolic Legend Plate

- Multiple sizes, fonts, colors available
- Consult Factory

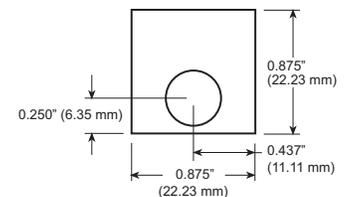
JN6
Jumbo Legend Plate



N8
Custom Legend Plate

- Multiple sizes, fonts, colors available
- Consult Factory

MN6
Mini Name Plate



- Black anodized aluminum
- Letter height 1/8"
- Maximum 7 characters
- Consult factory for special requirements