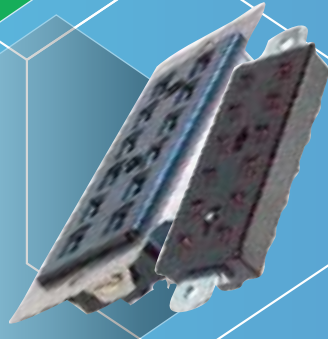
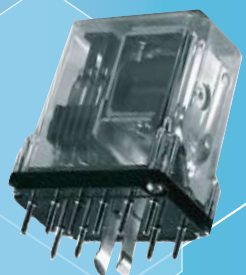
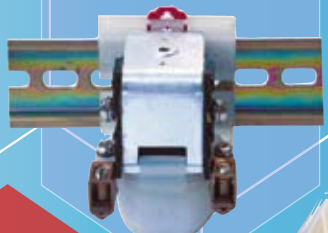


Power Relays & Contactors

2006
Short - Form Catalog



Producing Quality Products For Over 80 Years

ABOUT US

Established in 1923, Struthers-Dunn has been a leader in supplying “overbuilt,” (high quality, high reliability) products to our customers. The consistent high quality product and excellent service has created a loyal customer base. These loyal customers continually select us to meet their electro-mechanical application requirements.

Our focus is to meet the ever-changing demands for the traffic, power generation and distribution, factory automation, elevator, crane, hoist, motor control and water treatment, and many other industrial applications.

We realize that everyone has a choice of suppliers. Through quality, service and cost, we intend to offer value to our customers so that their choice will be Struthers-Dunn.

As one of the last remaining U.S. manufacturers of Power Relays and Contactors, our engineers are always ready to customize solutions to meet your design needs.



LAB TESTING SERVICES

Struthers-Dunn's Analytical Laboratory is your one-stop source for UL, CE and Military compliance testing. With close consultation we provide timely product evaluation using state-of-the-art testing. As part of our accreditations, only experienced and certified personnel perform our testing. To discuss your testing needs call us at (843) 664-3323.

Struthers-Dunn's Analytical Laboratory has over 75 years of real world testing and analytical service. To review our capabilities please visit our website.

We are always interested in new opportunities, so please do not hesitate to consult us on any type of testing. We will also act as your contractor for qualification project management needs.



**Underwriters
Laboratories Inc.**

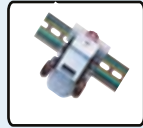


219
255
311
246
247

Industrial

Switching, timing, latching, and sequencing relays up to 6 poles.
Multiple contact configurations

2 & 3



M 35
M 60
B 101
102
103

Power

Single and multi-pole products for switching voltages up to
600VAC / 250VDC with currents ranging from 35 to 300 amps

4 & 5



275
245
245R
PM
425
575

Motor Control

On / Off

- ▲ Electromechanical up to 4 poles or 300 amps
- ▲ Solid state products up to 90 amps

Reversing

- ▲ Electromechanical - mechanically interlocked, dual coil capable of up to 30 amps
- ▲ Solid state products up to 40 amps

4 & 5



67
286
326
388

Time Delay

On delay, Off delay, or Interval timers

6

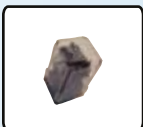


235
236

Sensors

Current sensors – 1.5 to 15 amp user adjustable
Voltage sensors – Detect over voltage or under voltage

7



67S
112
292
392

Sensitive

Exceptionally low coil power products that tolerate wide
input voltage ranges

7

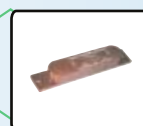


21
136
SK

Traffic

- ▲ NEMA compliant, DOT approved DPDT flash transfer relays and sockets for traffic and light control industries
- ▲ Capable of switching up to 30 amps

8



102HV

HIGH Voltage

Reed relays capable of switching up to 10,000 volts



8

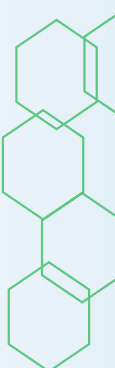


Built
to your
spec

Custom

Special application products built to customer specifications

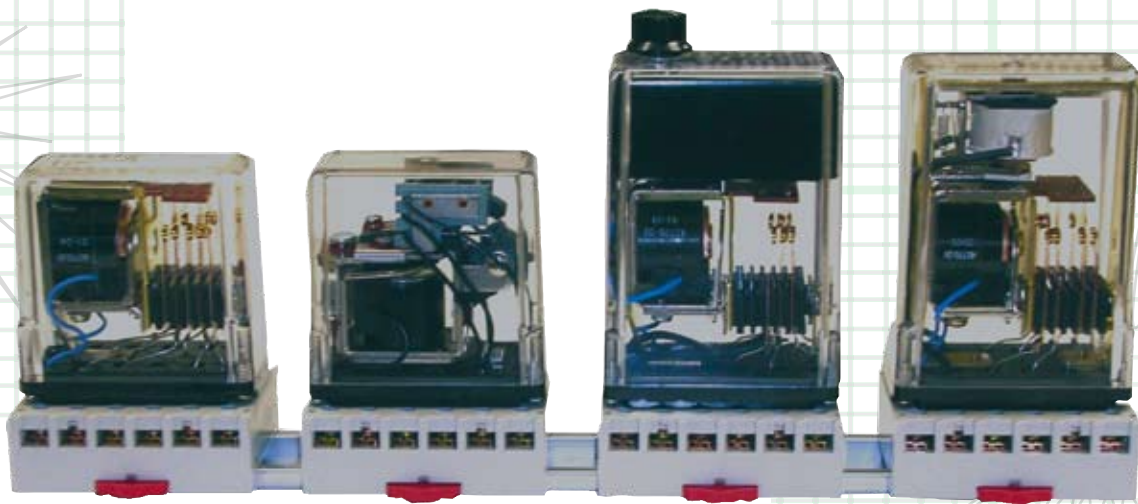
9



Industrial Relays

Proven, rugged, conservatively rated industrial products for demanding applications. Family consists of switching, timing, latching and sequencing relays. Ideal for applications where extended life and high reliability are key considerations. Easily customized with up to 6 poles and numerous contact possibilities. Integral bottom mounted hold down clip.

- ▲ Gold Diffused Contacts
- ▲ Nuclear Approved Versions Available
- ▲ Easily Customized
- ▲ Seismically Qualified
- ▲ Proven Exceptional Long Life



Relay

219 Series

- ▲ Multiple Contact Configurations
Up to 6 Poles
- ▲ Integral Locking Clip



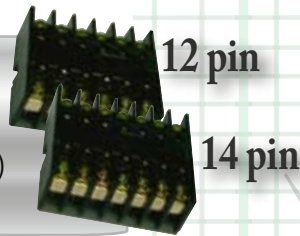
12 or 14 Pin

- ▲ Din / Panel Mounting
- ▲ Finger Safe



12 or 14 Pin

- ▲ Panel Mount
- ▲ Removable Screws
(accepts ring terminals)



Plug-In Module Kits

CX Series

- ▲ 12 or 14 Pin
- ▲ Create Custom Modules
- ▲ All Hardware Included



Time Delay

246 / 247 Series

- ▲ Knob Adjustable
- ▲ 10:1 Timing Range



Sequencing

311 Series

- ▲ Up to 8 Step Sequences
- ▲ Custom Sequences

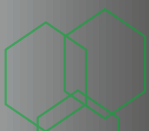


Latching

255 Series

- ▲ Set / Reset
- ▲ Manual Options Available





Motor & Power Control

Motor Reversing Contactor

275 Series / 575 Series

- ▲ AC or DC Operation
- ▲ Two Sets of 3PST - Normally Open Contacts
- ▲ Dual Coils - Mechanically Interlocked
- ▲ Double Make Power Contacts
- ▲ Up to 7 1/2 Horsepower at 600VAC
- ▲ Up to 4 Auxiliary Contacts - 5 Amp each



275 Series



575 Series

Solid State Motor Control

245 Series / 245R Series

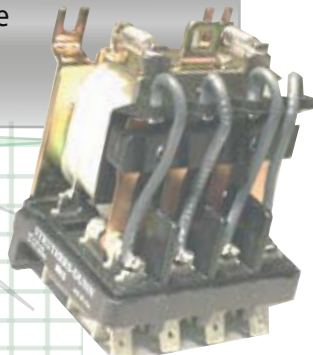
- ▲ On / Off or Reversing
- ▲ Up to 90 Amps



Power Relay

PM Series / 425 Series

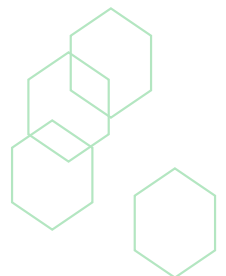
- ▲ 3PDT or 4PDT
- ▲ Up to 35 Amps @ 277VAC
- ▲ Up to 20 Amps @ 30VDC
- ▲ AC or DC Operation Up to 480 Volts
- ▲ Screw or Quick Connect Terminals
- ▲ Optional Covers Available



PM Series - 4 Pole



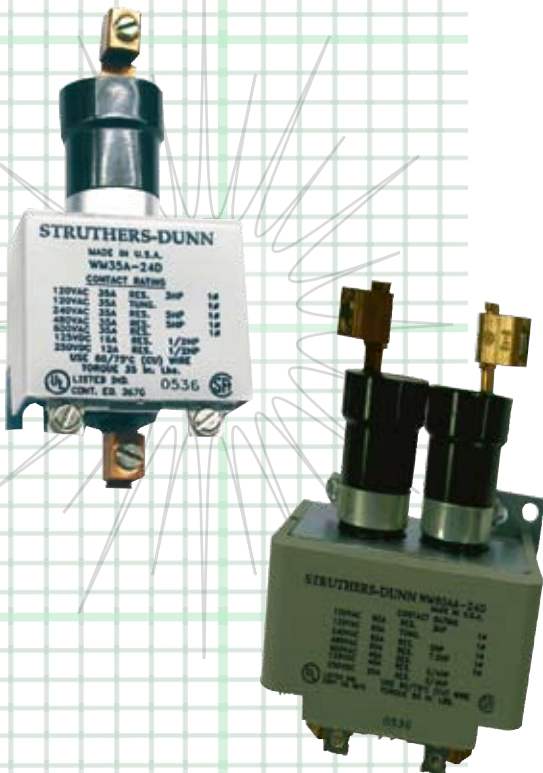
425 Series - 3 Pole



Mercury Displacement Relay

M35 Series / M60 Series

- ▲ 35 and 60 Amps Version
- ▲ Exceptional Long Life
- ▲ Quiet Operation
- ▲ 1, 2, or 3 Pole

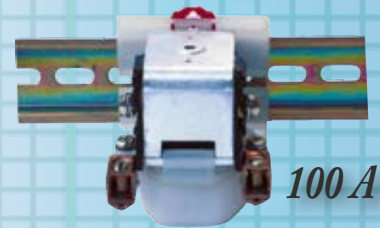


High Current Contactors

B101 / 102 / 103 Series

- ▲ AC or DC Coils up to 250 Volts
- ▲ Up to 300 Amps
- ▲ Single Pole Double Make or Break Contacts
- ▲ Solenoid Actuated
- ▲ Panel or DIN Rail Mountable
- ▲ Protective Cover Over Contacts

B101 Series



102 Series



For More Information: www.struthers-dunn.com or E-mail: info@struthers-dunn.com

Time Delay Relays

Octal Base

326 Series

- ▲ AC or DC Operation
- ▲ On delay or Off delay
- ▲ Plugable Mounting
- ▲ Knob Adjustment



Miniature Time Delay Relays

67 Series

- ▲ AC or DC Operation
- ▲ DPDT or 4PDT Contacts
- ▲ Socket or PCB Mounting
- ▲ Screwdriver Adjustable
- ▲ On delay



Square Base

286 Series / 388 Series

- ▲ On delay, Off delay or interval timing
- ▲ AC or DC Operation
- ▲ Up to 3 Poles
- ▲ Knob or External Adjustment
- ▲ Up to 12 Amps
- ▲ Socket, Flange, Stud or tapped hole mounting



286 Series



388 Series

Sensor

Current Sensing Relay

235 Series

- ▲ Sense 1.5 to 15 Amps AC
- ▲ AC Powered
- ▲ SPST Contacts - 10 Amps @ 120VAC
- ▲ User Adjustable Trip Point
- ▲ Socket Mounting for 3/16" Terminals
- ▲ Side Tapped Hole for 1/4" Terminals



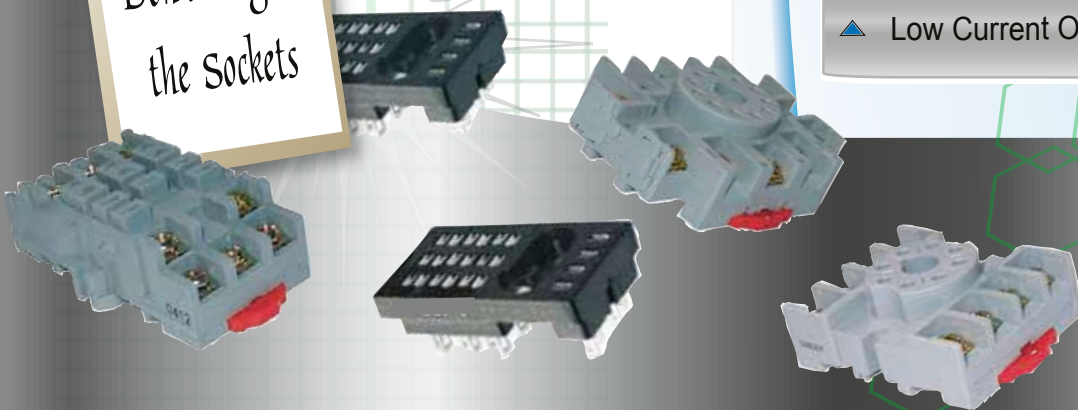
Voltage Sensing Relay

236 Series

- ▲ AC or DC Operation
- Adjustable Pick Up 75 to 115% of Nominal
- ▲ Adjustable Drop - Out 75 to 95% of Pick Up
- ▲ Detect Over Voltage or Under Voltage
- ▲ Recessed Adjustment on SPDT 13 Amp
- ▲ Knob Adjustment on DPDT 10 Amp



Don't Forget
the Sockets

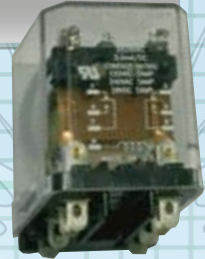


Sensitive

Square Base

292 Series

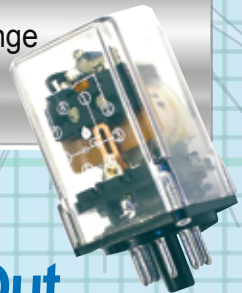
- ▲ As Low as 125mW per Pole
- ▲ Bladed Package
- ▲ .187" Quick Connect Terminals



Octal Base

392 Series

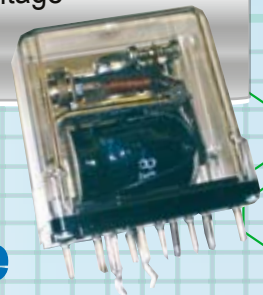
- ▲ Accepts Wide Voltage Range
- ▲ Round Pins



Industrial Pin Out

112 Series

- ▲ Up to 10 x Minimum Voltage
- ▲ Ideal for GFI Sensing



Compact Size

67S Series

- ▲ Smallest Sensitive Package
- ▲ Suitable for PCB Mounting
- ▲ Low Current Operation



For More Information: www.struthers-dunn.com or E-mail: info@struthers-dunn.com

Traffic Industry Products

for Traffic Signal Cabinets & other Applications

Flash Transfer Relays

21 Series / 136 Series

- ▲ Meets NEMA TS2 Standards
- ▲ DOT Approved
- ▲ Rectified Coil Design (21 Series)
- ▲ DPDT Contacts
- ▲ Plug - In Base with Polarizing Pin
- ▲ Mates with SK-TRF8 Sockets
- ▲ 30 Amps



Sockets for Traffic Cabinets

SK Series

- ▲ Accepts Flash Transfer Relays, Load Switch, or Flasher Modules
- ▲ 6, 8, or 12 Pin
- ▲ Flange or Bracket Mount
- ▲ Directly Replaces Other Brands
- ▲ 15 Amp Rated
- ▲ Accepts Polarizing Pin



HIGH VOLTAGE HIGH VOLTAGE

HIGH Voltage Reed Relay

102H (HV) SERIES

- ▲ Up to 10,000 Volt Switching
- ▲ Fully Encapsulated
- ▲ Hermetically Sealed Tungsten Contacts



Custom Product

We recognize readily available off the shelf relays don't fit all applications. Many customers have unique requirements. Our in-house design team will respond quickly to special packaging, demanding load requirements or custom contact configurations. Special constructions have been delivered in as little as 24 hours.

- ▲ New Product Development

- ▲ Modification of Existing Product

- ▲ Replacements for competitive obsolete parts

- ▲ Electrically set / Manually reset

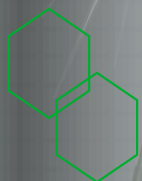
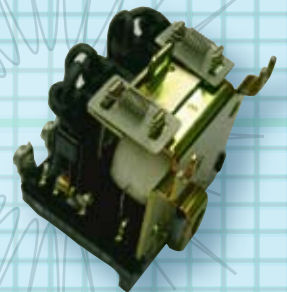
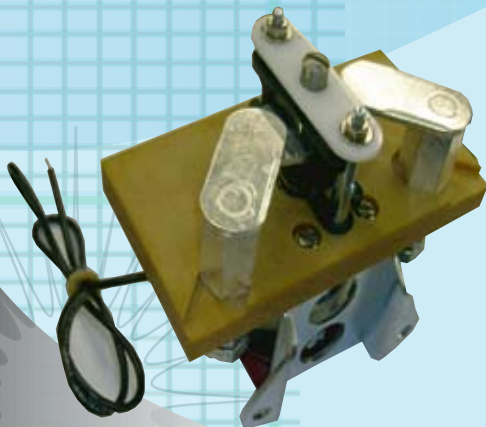
- ▲ Auxiliary switches added

- ▲ Hermetically sealed packages

- ▲ Packaging to Meet Special Shock and Vibration Needs

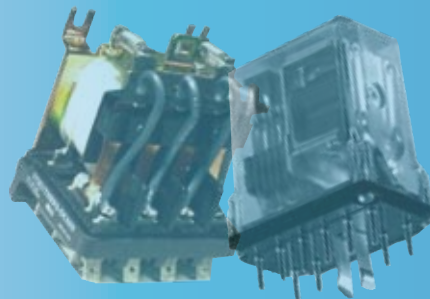
- ▲ Custom Coils

- ▲ Custom Contact Materials





Factory located in Florence, South Carolina



Please Contact Us with any Questions, Comments, or Suggestions

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Florence, SC 29501

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Website: www.struthers-dunn.com Email: info@struthers-dunn.com