



## Nuclear Grade Relays

**Versatile.  
Rugged.  
Proven.**

Established in 1923, Struthers-Dunn is one of the oldest and most respected relay manufacturers in the world. Since then our products continue to be recognized for their rugged or "overbuilt" design, high quality, and exceptional reliability. Struthers-Dunn relays are utilized in virtually every major industrial/commercial application in today's marketplace. Our products are primarily utilized in traffic signal, power generation and distribution, mining safety controls, factory automation, elevators, cranes, hoists, motor control and water/waste water treatment applications.

We are committed to providing our customers with a high level of customer service, technical support, application consultation, and specialized product design to meet those unique application requirements. As one of the last remaining U.S. manufacturers of power relays and contactors, we have a unique advantage in the ability to produce custom designed relays for customers.

We are undertaking an aggressive and innovative approach to new product development. This approach will focus on more compact designs and higher rated specifications. We realize that every potential or existing customer always has a choice in selecting their relay supplier. We greatly value each of our customers and will continue our efforts to ensure we will always be their first choice for existing or new business.

### **Struthers-Dunn**

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# Versatile

Can be fitted to applications with a variety of contact combinations, timing functions and optional features.

# Rugged

Passed seismic shock and vibration testing and with special plating and high quality materials passed high levels of radiation and humidity exposure.

# Proven

Over 40 years of continued use in the Nuclear and other industries. Full specification and traceability of all components. Certified data packages and on-site witness qualification testing available.

## 219 Series

- Multi-configurable switching relay in 12 or 14 pin

## 236 Series

- Timing relay ON delay - Ranges from 0.2 - 200 seconds

## 237 Series

- Timing relay OFF delay - Ranges from 0.2 - 200 seconds

## 255 Series

- Latching relay - Dual coil mechanical latch

## Approved Sockets

- 12 Pin - 27350 / 14 Pin - 33377

## Optional Features

- Blow out magnets
- Indicator lamps

Relays are made and tested to your specifications.

## General Specifications (@ 25°C)

Contact Material	Silver Alloy - Diffused Gold
Contact Rating	
120 / 240VAC Resistive	10 Amp / 5 Amp
28VDC Resistive	10 Amp
Contact Configuration	
12 Pin	up to 3PDT or 4PST
14 Pin	up to 4PDT or 6PST
Contact Resistance	50 milliohms MAX @ 6VDC
Coil Voltages	AC - 12, 24, 120, 240
	DC - 12, 24, 115-125, 250

# Nuclear Qualified Relays

Seismic and radiation tested per IEEE 323-1974



236/237 Series



219 Series



255 Series



12 Pin Socket



14 Pin Socket

Struthers-Dunn relays have been tested as suitable for Class 1E service in nuclear power generating stations.

In Compliance with IEEE 323-1974 (IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations) and IEEE 344-1975 (IEEE Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations)

