#### Emerson™

# SureSwitch<sup>™</sup> relay

#### **Universal Electronic Upgrade**

for Mechanical Compressor Contactors

## 49P11-843



#### **Benefits**

- 5x contactor life
- Sealed relay to keep out ants and debris
- Microprocessor control nearly eliminates contact welding and pitting
- Ideal install with new Preventative Maintenance contracts
- Compressor is protected from brownouts and short cycling
- Save on pest control treatments



## **Sealed Relay Construction**

The internal compressor relay is completely sealed from insects and debris.



Amps: 40 (FLA) Coil: 24 VAC Amps: 200 (LRA) Pole: 1 or 1.5



ONG-LIFE PRO





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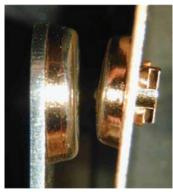
#### Universal Electronic Upgrade for Mechanical Compressor Contactors

#### **Features**

- Microprocessor controlled sealed compressor switching
- Line voltage brownout protection
- Short cycle protection
- Tricolor LED displays
- Heavy-duty lug connectors
- Zero chatter latching relay
- Four-hole mounting matches mechanical contactors
- Random start delay on power up and brownout recovery
- Compressor test and cycle count by pushbutton

#### **Performance Tested**

The sealed SureSwitch relay has underwent exhaustive testing on Copeland 5-ton scroll compressors to demonstrate ultimate reliability. This technology has been utilized on OEM controls since 2006 and is now available for the Aftermarket.



Contacts after one million cycle testing.

#### 5x Contactor Life

Microprocessor controlled switching algorithms reduce arcing, virtually eliminating contact pitting and welding.

#### **Terminal Designations**

Y C







1/4" Spades

#### **LED Flash Codes**

Standby Slow Green Solid **Green** Normal Fast **Green** Delay Low Line Volt. Green / Red Green | Yellow | Red Test

#### **Specifications**

#### **Electrical Ratings**

Line Voltage Input	208/240 VAC, 50/60 Hz
Full Load Amperes (FLA)	40A
Locked Rotor Amperes (LRA)	200A
Control (Coil) Voltage (Y, C)	24 VAC, 50/60 Hz

#### Recommended Terminal Torque - C, R, L1 and L2

#4 – 6 AWG	45 in-lbs
#8 AWG	40 in-lbs
#10 – 14 AWG	35 in-lbs
24 VAC (Y, C) Terminals are ¼" Male QC's accepting #12-24 AWG wire	

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Anti-Short-Cycle Delay	. 0s or 180s (selectable) at 60 Hz
	0s or 216s (selectable) at 50 Hz
Compressor Test	5s at 60 Hz
	6s at 50 Hz

#### **Dimensions**

2-3/4" W x 2-3/8" H x 3-7/8" L

#### **Operating Temperature Range**

-40° to 158° F (-40° to 70° C)

#### **Humidity Range**

5 to 95% relative Humidity (non-condensing)

#### **For Additional Information**

Scan QR Code or visit us at www.white-rodgers.com

#### SureSwitch relay requires line voltage for operation and testing





www.emersonclimate.com