

SureSwitch™ Contactor Upgrade

49P11-843

The only completely sealed solution.



Increased Reliability:

5x traditional contactor life, 1M+ cycles
Totally sealed switch keeps out ants, pests, and debris
Microprocessor control inhibits arcing that cause welding and pitting



Compressor Protection:

Short cycle timer prevents oil pressure stress on compressor
Brownout protection avoids low voltage stress on compressor



Homeowner Peace of Mind:

5-year limited warranty
Prevents recurring failures
Latching internal relay eliminates noise
Save on pest control treatments



DID YOU KNOW?

SureSwitch is 3 products in 1 control.

1 + 2 + 3 =

Long-life sealed switch + Brownout protection + Short cycle timer



For up to 5 ton/40A, 1 or 1.5 pole applications

SureSwitch™ Contactor Upgrade

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Universal electronic replacement for mechanical compressor contactors

FEATURES

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

SPECIFICATIONS

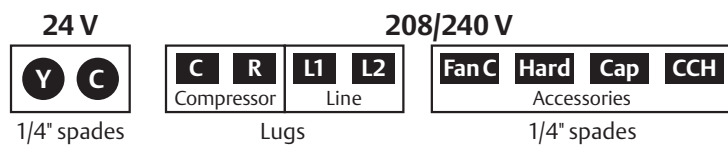
Electrical Ratings

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
 For 2 Pole applications if local electrical codes are met

Recommended Terminal Torque—C, R, L1 and L2

#4–6 AWG45 in-lbs
 #8 AWG40 in-lbs
 #10–14 AWG35 in-lbs
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 24 VAC (Y, C) terminals are 1/4" male QC's accepting #12-24 AWG wire

TERMINAL DESIGNATIONS

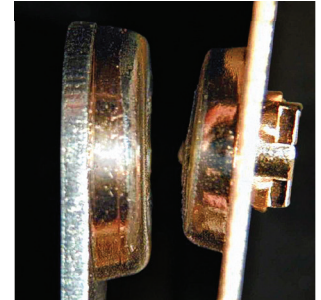


SURESWITCH PROVIDES 5X LONGER CONTACTOR LIFE

SureSwitch uses microprocessor controlled switching algorithms that reduce arcing, virtually eliminating contact pitting and welding.



TRADITIONAL CONTACTORS
after 300k cycles



SURESWITCH
after one million cycle

Timings

Anti-short-cycle delay: 0s or 180s (selectable) at 60 Hz
 0s or 216s (selectable) at 50Hz
 Compressor test: 5s at 60 Hz 6s at 60 Hz

Operating Temperature Range

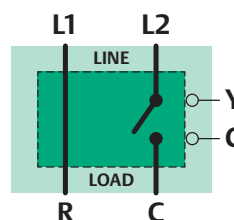
-40° to 158° F (-40° to 70° C)

Humidity Range

5 to 95% relative humidity (non-condensing)

Dimensions

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



LED FLASH CODES	
Slow green	Standby
Solid green	Normal
Fast green	Delay
Green/red	Low line voltage
Green/yellow/red	Test

SureSwitch requires line voltage for operation and testing