

Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

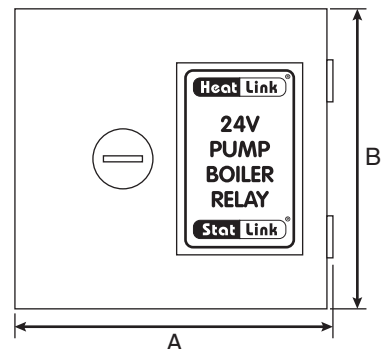
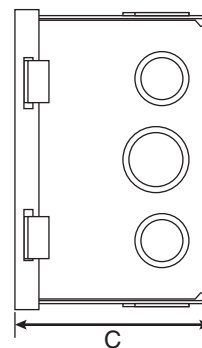
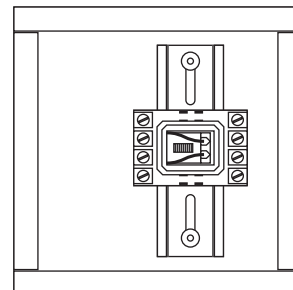
Electrical enclosure including a rugged industrial 10A relay, socket, and DIN rail. Horse power rated for small motors and solenoids.

Technical Data - Relay

Contact Material: Silver
Contact Rating: 10A resistive, 7.5A inductive @ 120V(ac), 1/4 hp
7.5A resistive, 5A inductive @ 240V(ac), 1/3 hp
Contact Resistance: 30mΩ maximum (initial value)
Power Consumption: 2.5VA (60Hz), 3VA (50Hz)
Insulation Resistance: 100MΩ minimum
(measured with 500V DC megger)
Operating Time: 25ms maximum
Release Time: 25ms maximum
Frequency Response: 1,800 operations/hr
Electrical Life Expectancy: over 500,000 operations (120V, 10A)
Mechanical Life Expectancy: over 10,000,000 operations
Operating Temperature: -30 to 70°C (no freezing)
Coil Voltage: 24V(ac)
Rated Current ±15% @ 20°C: 105mA (60Hz), 121mA (50Hz)
Coil Resistance ±10% @ 20°C: 79Ω
Inrush Current: 720mA
Inductance:
Energizing: 0.57H
De-Energizing: 0.32H
Max. Continuous Applied Voltage @ 20°C: 110% of the rated voltage
Drop-Out Voltage @ 20°C: 30% of the rated voltage
Terminal Type: 8 Pin
Dielectric Strength:
Between live and dead parts: 1,500V(ac), 1 minute
Between contact circuit & operating coil: 1,500V(ac), 1 minute
Between contact circuits: 1,500V(ac), 1 minute
(1,000V(ac) between NO-NC contacts)
Temperature Rise:
Coil: 85°C maximum
Contact: 65°C maximum
Vibration Resistance: 0 to 6G (66Hz maximum)
Shock Resistance: 100N (approximately 10G)

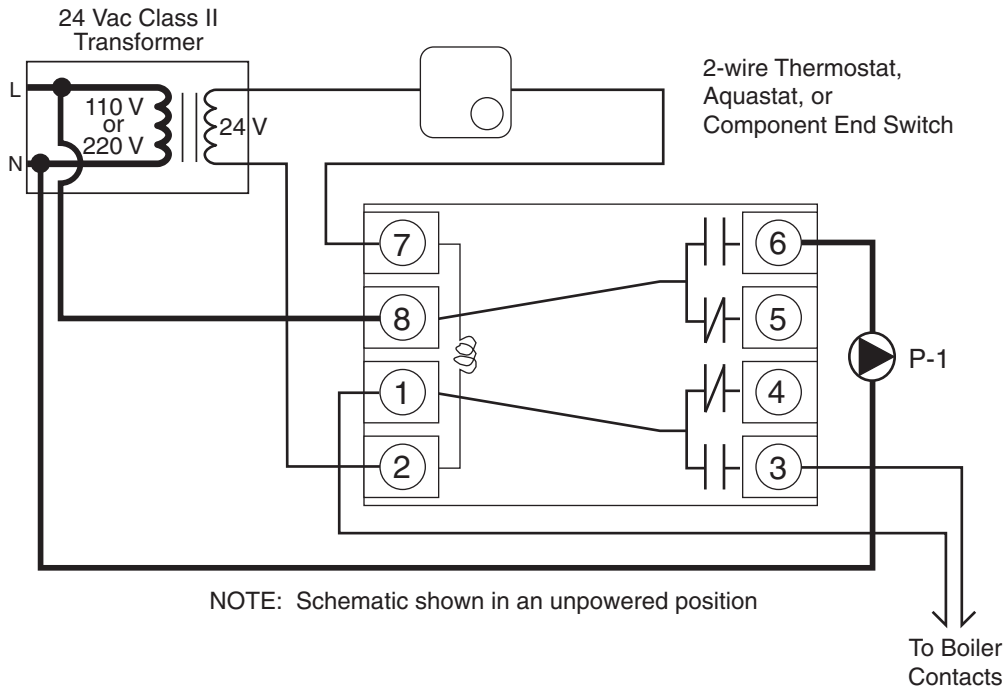
Standards / Listings

Relay - CSA, CE
Enclosure - CSA, UL

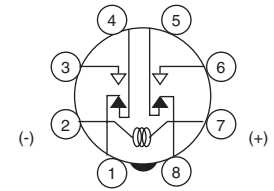


Qty	Stk. #	Dimensions			Weight
		A	B	C	
	45112	6-5/8" (168 mm)	6-1/4" (159 mm)	4-1/16" (103 mm)	3.5 lb 1.6 kg

Sample Wiring Diagram

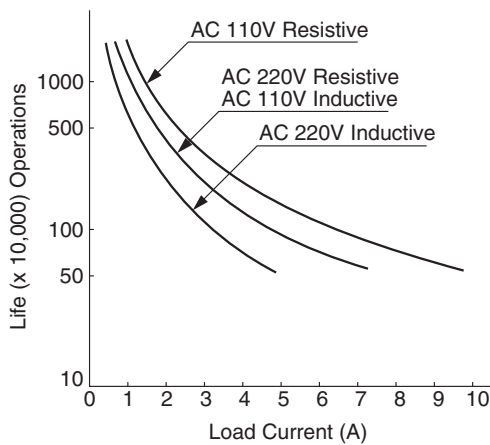


Internal Circuits

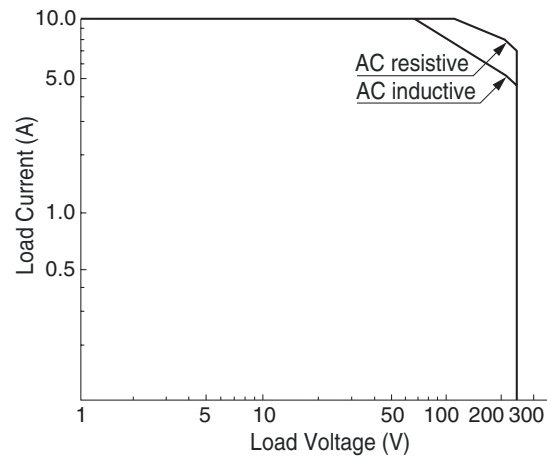


Viewed from bottom of relay.

Electrical Life Curve



Maximum Switching Capacity



Installation

Installation must follow all of HeatLink's instructions and guidelines, including those in the installation instructions.

Related Documents

- 24V(ac) DPDT Relay Installation Instructions (L645012)
- Component Warranty