

# Field Mount Status Relay

# H120 Series



#### **SPECIFICATIONS**



Sensor Power	Induced from relay coil power	
Operating Temperature	-15° to 60°C (5° to 140°F) (13.8A max.), -15° to 50°C (5° to 122°F) (20A max.)	
Operating Humidity	10-90% RH non-condensing	
Expected Relay Life (me- chanical)	10 million cycles	
Relay Status	LED ON=energized	
Agency Approvals	UL 508 closed type device listing, CAT III, pollution degree 2, basic insulation	
LE	AD WIRE SPECIFICATIONS	
Lead Length	14" (356 mm) min.	
Style and Gauge	UL1015; Coil: 18 AWG; Contacts: 12 AWG; Status: 16 AWG	

Do not use the LED status indicators as evidence of applied voltage.

# SPST Status Relay With Integral Current Switch

# **FEATURES**

- The current switch and relay are in series...connect the contacts to the load and your current switch is automatically installed
- The nipple mount housing can be connected to any 1/2" conduit knockout for installation versatility
- Relay coil LED streamlines job commissioning and check out
- HP ratings make the H120 ideal for control and status of fractional HP motors
- 5-year warranty
- NEMA 1 rated housing may be used in plenum spaces
- Can be externally mounted to the electrical enclosure... space saver
- 0.1A turn-on...easily monitors the smallest motors

# **DESCRIPTION**

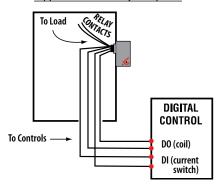
The **H120 and H120NC** offer a fixed current switch and SPST relay in a single externally mounted housing. Combining the current sensor and relay in one easy-to-install package eliminates the need to fit multiple devices into small electrical enclosures and simplifies the installation. Remove the labor associated with installing a separate current sensor.

#### **APPLICATIONS**

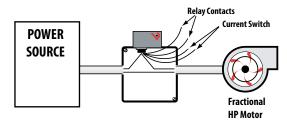
- Unit Ventilators
- Fan Coil Units
- Exhaust Fans
- Fan Terminal Units
- Fractional HP Motors
- Light Resistive Loads

#### **WIRING DIAGRAMS**

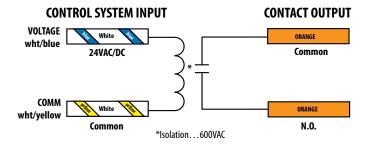
#### Nipple mount directly to a panel

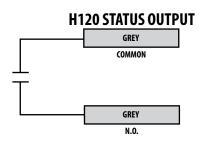


Nipple mount to 4x electrical box



# **WIRE COLOR CODES**

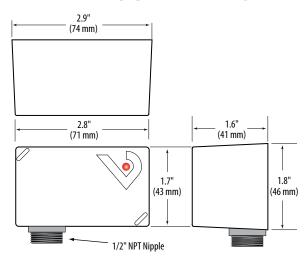




# **H120NC STATUS OUTPUT**



# **DIMENSIONAL DRAWING**



RELAY CON	ITACT RAT	TINGS (N.O
Resistive		77VAC/28VDC
	(250,000 C <sub>)</sub>	,
Motor	120VAC, 1H	IP
	208VAC, 1H	IP
	250VAC, 2H	IP
	277VAC, 2H	IP
Ballast	277VAC, 20	A
Tungsten	120VAC, 10	A
TYPICAL	COIL PERF	ORMANCE
Voltage	Coil Current	
	AC	DC
24V	75mA	32mA

<sup>\*</sup>See operating temperature specification

# **ORDERING INFORMATION**

