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**UVEINN** 



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# Wiring

CAUTION: Disconnect power supply before wiring connections are made to avoid possible electrical shock or damage to equipment.

All wiring should conform to the National Electrical Code and local regulations.

Terminal block



CAUTION: Use terminal screws furnished in the contact block. Use tightening torque 20 lb. in. (2.3 Nm). Use copper wire only.

#### Contact load ratings

120 V a.c.	16 FLA, 96 LRA
240 V a.c.	8 FLA, 48 LRA
240 V d.c.	12 W pilot duty

### Load Option A

CUT-OUT on temperature rise Wire terminals 1-4: CUT-IN = High Set Point (HSP) see "Setting" CUT-OUT = Low Set Point (LSP) see "Setting"



Terms 1-4 close on temperature rise Terms 1-4 open on temperature drop

Example:	CUT-IN = +50°F (+10°C) CUT-OUT = +40°C (+4.5°C)
This means CUT-IN and	= HSP = +50°F (+10°C)
CUT-OUT	= LSP $=$ +40°F (+4.5°C)

JI-001	= LSP	= -

Note:  $\Box$  = Bellows movement on pressure rise  $\neg$  = Bellows movement on pressure drop The free terminal can be used for signal purpose.

# Load Option B

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CUT-OUT on temperature drop
Wire terminals 1-2:
CUT-IN = Low Set Point (LSP)
see "Setting"
CUT-OUT = High Set Point (HSP)
see "Setting"
```



Terms 1-2 close on temperature drop Terms 1-2 open on temperature rise

Example:	CUT-IN = +32°F (+0°C) CUT-OUT = +50°F (+10°C)
This means CUT-IN and	= LSP = +32°F (+0°C)
CUT-OUT	= HSP = +50°F (+10°C)



cut-out, push reset knob as indicated.

Note:

Man. reset is possible only after a temperature rise of fixed differential (example 5.4°F)

Fixed diff.

## Adjustment spindles location

#### Note!

Remove lockplate before thermostat adjustment. Replace lockplate after adjustment (if desired).



DIFFERENTIAL

(+) Increase: turn CW

🔵 decrease: turn CCW

See printed instruction on top of control

(use adjustment knob or screwdriver)

### RANGE

See printed instruction on top of control

( increase temp. (warmer): turn CW

decrease temp. (colder): turn CCW

(use adjustment knob)

## **Determination of differential**

For KP w/ vapor charge and auto. reset (KP 61, KP 62, KP 63, KP 68, KP 69): Use graphs to determine correct differential



