



AC Current Sensing Plug-In

CJB

Specifications

Electrical

Input Voltage:

24 or 115VAC, $\pm 15\%$, 50/60Hz.

Pick-Up Range:

5 Amp C-T: 0.2 to 5 Amps, Adj.
15 Amp C-T: 0.6 to 15 Amps, Adj.

Drop-Out Range:

5 Amp C-T: 0.1 Amp below setpoint
15 Amp C-T: 0.3 Amp below setpoint

Time Delay: 50 Milliseconds, Fixed

C-T Insulation Voltage:

5 Amp C-T: 750VAC Max.
15 Amp C-T: 750VAC Max.

C-T Overcurrent:

50 Amps for 5 Seconds (Allow ample time for cooling between surges.)

Protection:

Varistor and/or R-C Network

Power Consumption: 2VA

Output Ratings:

10 Amps @ 240VAC (Resistive)
1/10 HP @ 120VAC,
1/6 H.P. @ 240VAC
300,000 Full Load Electrical Cycles
10,000,000 Mechanical Cycles

Physical

CJB Mounting: Plug-In

C-T Mounting: Surface

CJB Termination: 8 or 11 Pin

C-T Termination:

Primary: 3" Solid Wire

Secondary: 4" Stranded Wire

Packaging: Dust Cover

Weight: 7 Oz.

Ambient Temperatures

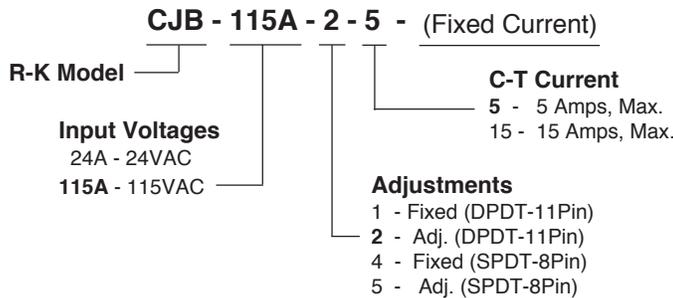
Operating: 0°C to 50°C

Storage: -30°C to 85°C

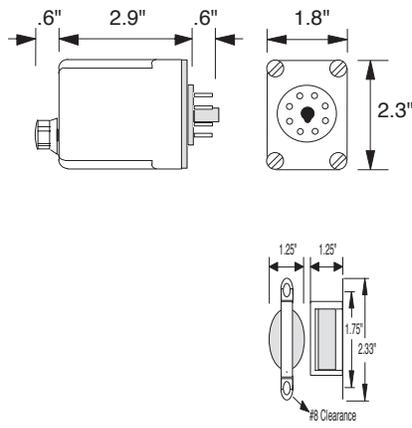


- 5 or 15 Amps
- 10 Amp Contacts
- Plug-In Package
- Adjustable Setpoint
- C-T Provided for 5 or 15 Amps

Ordering Information



Dimensions



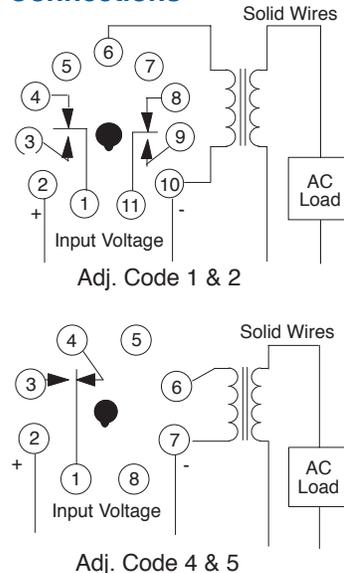
Current Transformer (C-T)

5 Amp #425-113A

15 Amp #425-132A

- Solid wires of C-T are connected to the Load.
- Stranded wire leads of C-T are connected to the CJB.

Connections



Operation

AC Current Sensing

An input voltage must be supplied to the CJB continuously. With the current adjustment at the desired setpoint, the internal relay will energize and transfer the output contacts when the current through the R-K supplied C-T (Current Transformer) exceeds the setpoint. When the current falls below the setpoint, the internal relay will de-energize. A 5 or 15 amp C-T is supplied with the CJB. For higher AC currents, use a donut C-T that has a 5 amp secondary and select the CJB with the 5 amp C-T option.

