CP5 SERIES

Single-phase current monitor

Description
The CP5 Series are undercurrent monitors designed to monitor one leg of a 3-phase system. It is commonly used as a tower monitor on center pivot irrigation systems to detect stalled or jammed towers to prevent over watering.

The CP5 Series has both an adjustable trip level and an adjustable trip delay timer. When the current is sensed, the CP5 Series activates its output relay, thus starting the motor/pump. When the current in the monitored power line falls below the user-selectable trip point, the unit goes through a trip delay timer and then deactivates the output relay if the monitored current does not recover first.

Features & Benefits

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustable trip level (0-5A)</td>
<td>Provides ability to precisely set the current trip point for any application</td>
</tr>
<tr>
<td>Adjustable trip delay (0-10m)</td>
<td>Prevents nuisance tripping due to power line fluctuations</td>
</tr>
<tr>
<td>600V rated relay contacts available on CP-5-460 model</td>
<td>Eliminates the need for a control transformer to step voltage down to 120 - 240V for a control circuit</td>
</tr>
</tbody>
</table>

Specifications

Input Characteristics
Nominal Input Voltage
CP5115 115VAC
CP5460 460VAC
Frequency 50*/60Hz

Functional Characteristics
Operating Points
Trip Level 0-5 Amps
Trip Delay 0-10 minutes
Restart 1 second

Output Characteristics
Output Contact Rating (SPDT)
Pilot Duty
CP5115 480VA @ 240VAC
CP5460 470VA @ 600VAC

General Characteristics
Terminal Torque 7 in.-lbs.
Wire Size 12-18AWG
Safety Marks UL
Dimensions H 74.4 mm (2.93"), W 133.9 mm (5.27"), D 74.9 mm (2.95")
Weight 1 lb. (16 oz., 453.59 g)
Mounting Method #8 screws

*Note: 50Hz will increase all delay timers by 20%