

Current Relay

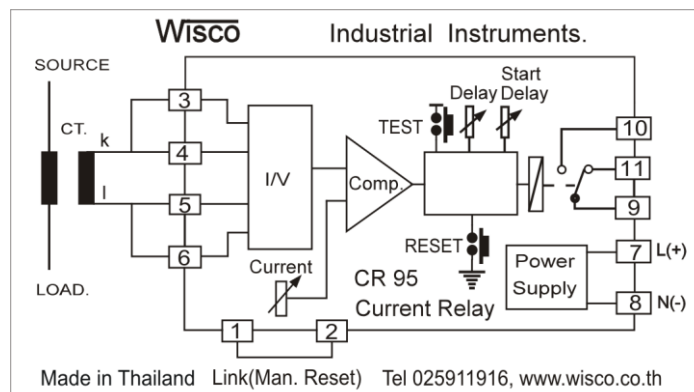
CR95



- Prevents Damage To The Motor And Load.
- Protects Against Overcurrent Or Undercurrent.
- Adjustable Time Delay 0 - 10 Seconds.
- Startup Delay Time Can Be Set From 0 To 30 Seconds.
- SPDT Relay Output

Current Relay CR 95 This electronic device is designed to protect against over-current or under-current conditions. The current relay monitors the electrical current; if the current exceeds the preset threshold, the relay activates and a red LED indicator lights up. Current settings are adjusted via the "CURRENT" knob, while the relay's operation delay can be set between 0 and 10 seconds using the "DELAY" knob. Additionally, a specific start-up delay ("START DELAY") of 0 to 30 seconds can be configured to prevent the relay from triggering due to high starting currents. This current relay is suitable for protecting various types of electrical equipment, such as:

- ❖ It provides motor overload protection; the current relay is more sensitive than standard bimetallic overload units, thereby offering superior protection against damage to the motor and its load.
- ❖ In certain applications, an under-current condition can lead to damage—such as a heater burnout, a broken drive belt, or a pump running dry (without fluid flow). A current relay can be used to prevent such damage.



Specifications

Input

Number of channel: 1 Channel

Input type: Current (AC)

Input range: 0 to 1, 0 to 5 Aac (1VA Max.)

Overload: 2 x rating continuously,
10 x rating for 3 sec.

Time delay: Adjustable 0 to 10 sec.

Start Delay Time: Adjustable 0 to 30 sec.

Operating Mode: Over current,
Under current

Current Setpoint: 0 to 100 % of input
range.

Relay Output

Number of channel: 1 Channel

Relay type: N.O., N.C. (SPDT)

Contact range: 3 A @ 250 VAC

Ordering Information: Specify Input, Operating mode, Power supply

Example CR95/5 A/Over current/220 VAC

Package Checklist

1. CR95

Power Requirements

Power Supply: 110, 220 VAC

24, 48, 110, 125 VDC (Optional)

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W50 x H70 x D130 mm.

Mounting: Wall or DIN rail

Connection: Plug-in 11 pins socket

Wiring: Screw terminals on base socket

Warranty

Warranty Period: 5 Year