



AC CURRENT



SELECTION GUIDE

M200-A1U	Single Phase Under Current
M200-A1O	Single Phase Over Current
M200-A1C	Single Phase Combined Current
M200-A3U	3 Phase Under Current
M200-A3O	3 Phase Over Current

TYPICAL APPLICATIONS

The M200 AC Current relays provide current monitoring and protection in both single and 3 phase systems. These relays are used in applications such as motor protection, load detection and generator control.

Under, over and combined under/over units are available. The relay operates when the adjustable trip point is reached. An externally adjustable time delay is provided to prevent nuisance tripping.

As is common with all the M200 relays, on over units the relay energizes when the input signal exceeds the trip point. On under units, the relay de-energizes when the input signal goes below the trip point.

A red LED indicates the state of the relay. A green LED indicates the condition of the power supply.

TECHNICAL SPECIFICATIONS

INPUT

Rated Value In	1A or 5A from CT 0.2 to 10 Amp direct connected
Frequency	50 / 60 / 400 Hz
Burden	<0.5 VA per phase
Overload	10 x In for 3 seconds

SETPOINT

Range Over	Adjustable 40% to 120% In
Range Under	Adjustable 0% to 80% In
Repeatability	Better than 0.5% to full span
Differential	Fixed 5%
Time Delay	Adj. 200mSeconds to 10 seconds

AUXILIARY

AC Voltage	115 / 230 / 400 V (± 25% / 45-65 Hz / <2VA)
DC Voltage	24, 48, 125 and 220V,DC ± 20% / galvanically isolated < 3 watt

WEIGHT & CASE SIZE

Single units (55mm)	Approx. 0.88 lbs. (0.4 kg)
Combined units (100mm)	Approx. 1.32 lbs. (0.6 kg)

ORDERING INFORMATION

Part No.	Input	Freq.	Aux.	Options
M200-A3O	5A	50 Hz	230V	
M200-A3U	5A	60 Hz	120V	

OPTIONS

- Adjustable time delay (max.): 30 seconds
- AC Auxiliary (in range): 57.7 to 480 volts
- Calibration at nominal Hz: 35 to 450Hz
- Calibration at temperature other than 23°C