

AC CURRENT MONITORING RELAY

DX-225i



Overview

The ASHE DX-225i is a blind controller with a single control output, offered in a highly compact, rugged and reliable execution. The instrument has two LEDs on the front panel, one for Power Supply indication and the second for Relay status indication.

The instrument accepts AC current of 0 to 3.0 Ampere as input signal. It has a single relay output. The relay will change state according to the set points. The hysteresis is provided to prevent the relay from chattering. The instrument operates on 230VAC power supply and is offered in standard DIN Rail-mount execution.

The instrument finds application in Motor protection requirements where the current drawn by the Motor needs to be monitored and controlled. Basic timing and control logic can be incorporated into the control action.

Other features include its inherent accuracy and immunity to shocks, dust, ambient temperatures, and humidity. It is available in standard panel mounting enclosures. Further, the instrument is manufactured using selected high-grade components which guarantee its functionality and long operational life.

All ASHE range of Digital Indicators carry a lifetime warranty against defects in design and workmanship.

Specifications

Model	ASHE DX-225i
Type	AC Current monitoring Relay with single-point control action.
Input Signals / Sensors	0 to 5.0 Ampere AC input from single phase Motor.
Input protection	Protected for current surges at start-up.
Indication	LEDs on front panel for relay change-over.
Display	Not provided – blind control.
Response time	< 100 mS
Repeatability	0.1%.
Control output	Potential-free relay changeover contacts.
Contact Rating	10 Ampere @ 230 V AC (resistive loads).
Control Logic	High-Low (Configurable).
Setting levels	Preset Low and High thresholds.
Settings Mode	By DIP switch for each threshold.
Hysteresis	10% of each set-value.
Power/Alarm indication	By LEDs on front panel.
Accuracy	0.1%.
Settings	Settings for Low/High Threshold.
Power Supply	230 V AC, 50 hz power supply.
Dimensions	75 x 55 x 110 mm [H x W x D].
Execution	DIN Rail mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 50 °C.

Features

- Low cost, high functionality
- Standard AC Current signal.
- High accuracy and linearity to input signal
- Single Relay potential-free change-over contacts
- Very low power consumption and heat dissipation
- On-Off control action option
- Preset Hysteresis
- AC/DC Power Supply
- Rugged, industrial grade ABS enclosure
- High Noise immunity.
- Panel / Field / Hazardous-area installation in IP65 execution
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship

ASHE CONTROLS PRIVATE LIMITED