

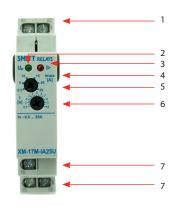


# XT-17M-IA25U - Current monitoring relay, 1 C/O Manual

### Description

The XM-17M-IA25U is a 1-phase current monitoring relay against short circuit and current overload. With an adjustable current range of 0.5...25 A and an adjustable time delay of 0.5 till 10 seconds.

#### Layout



- 1. Supply terminals
- Supply indication (green LED) 2.
- 3. Output indication (red LED)
- Hole for threaded conductor 4
- 5. Current setting
- 6. Time setting
- 7. Output contacts

#### **Technical information**

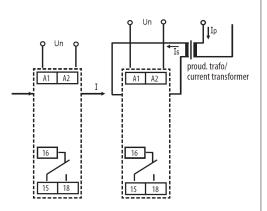
Supply voltage	230 VAC/DC
Measuring range	125 A
Contacts	1 C/O contact
Rated current	8 A / AC1
Max. conductor size	5.8 mm
Ambient temperature	-20 °C+55 °C
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#### **Connection diagram** 16 18 Ø < A2 15 Connection

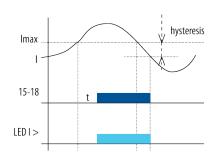


# **Function**

The XM-17M-IA25U serves for monitoring of current level in 1-phase AC circuits. Slight setting of release current level designates this relay for many various applications.

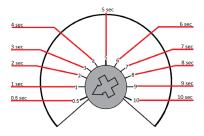
Output relay is in normal status switched-off. When set current level is overrun, relay get closed after pre-set delay. By return from error to normal status is used hysteresis.

The range is possible to increase with external current transformer till max 600 A.



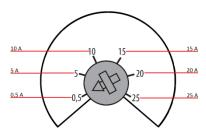
### **Time delay setting**

A time delay can be set from 0.5 till 10 seconds.



## **Current level setting**

A current level can be set from 0.5 A till 25 A.



Example: if the set current is 10 A and the time delay is 5 seconds, the relay will switch when the current exceeds the set value of 10 A for minimal 5 seconds

#### Installation

- Install and connect wiring according the identification on the terminals and connection diagram
- Do not reverse the polarity of the coil connection
- Relays can be mounted next to each other
- Warning! Never use silicon near the relays .

#### Operation

- Before first operation; always apply voltage to supply and check correct operation
- Switching the load a few times before first use is advisable
- When the LED is green, coil voltage is indicated
- When the relay does not operate but coil voltage is present, coil polarity can be reversed
- Warning: Do not use the relay in locations with flammable gas, as the arc generated by switching could ignite the gas

#### Maintenance

- If the relay does not operate correctly, check the presence of the coil voltage by using a multimeter
- If the relay does not work after inspection, replace the relay by a similar model

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