

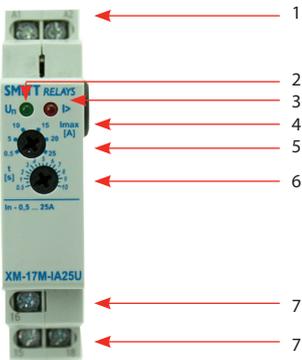
XT-17M-IA25U - Current monitoring relay, 1 C/O

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

Technical information

Supply voltage	230 VAC/DC
Measuring range	1...25 A
Contacts	1 C/O contact
Rated current	8 A / AC1
Max. conductor size	5.8 mm
Ambient temperature	-20 °C...+55 °C

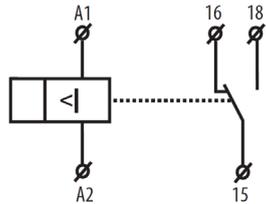


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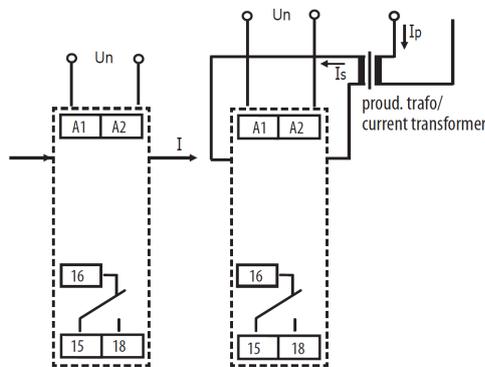
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Connection diagram



Connection

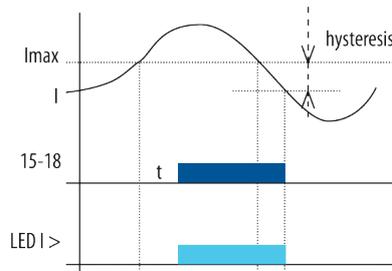


Function

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.

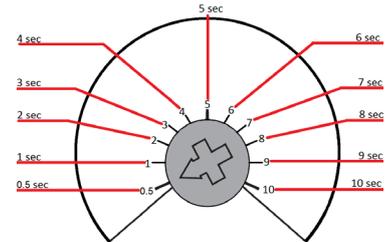
Output relay is in normal status switched-off. When set current level is overrun, relay get closed after pre-set delay. By return from error to normal status is used hysteresis.

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



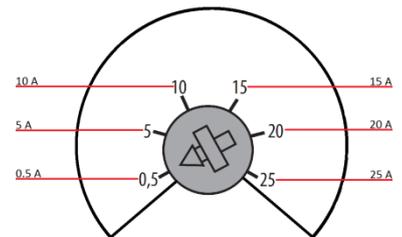
Time delay setting

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