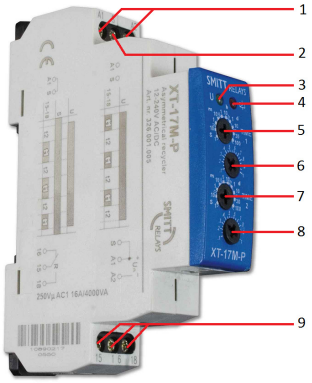
XT-17M-P - Time relay, asymmetric cycler, 16 A, 1 C/O
Manual

Description

XT-17M-P is a pulse time relay with adjustable start function, cycler starts with pulse or pause. The function choice is done by an external jumper of terminals S-A1.

With the main rotary switch the time delay range can be set. The fine time can be set 10 % till 100 % of the main time setting. With the S-input the relay can be controlled on remote.

Layout



1. Supply terminals
2. S-input
3. Supply indication (green LED)
4. Output indication (red LED)
5. Main time setting pulse
6. Fine time setting pulse
7. Main time setting pause
8. Fine time setting pause
9. Outputs contacts

Technical information

Supply voltage	12...240 VAC/DC
Supply terminals	A1-A2
Contacts	1 C/O contacts
Rated current	16 A / AC1
Inrush current	30 A ≤ 3 s
Ambient temperature	-20 °C...+55 °C

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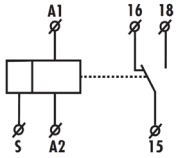
Connection diagram



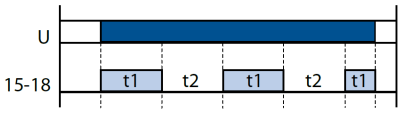
Connection

Cycler beginning with pulse

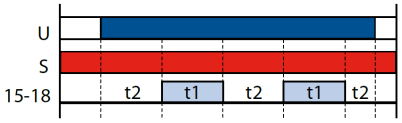
Cycler begining with pause (junction S-A1)

Function

Energising of the coil will start the set time, when the set time is expired the contact will switch. Depending of the set start function the relay will start with a pulse or a pause.



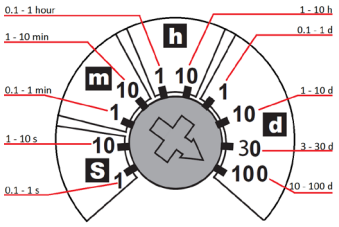
Cycler beginning with pulse



Cycler beginning with pause

0.1 s...100 days

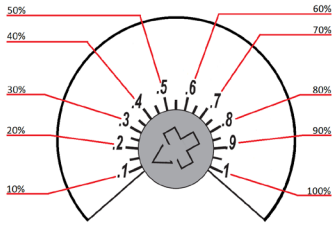
Main time setting impulse / pause



The main time setting selects the maximum time range.

Fine time setting

The fine time setting can be set within 10-100 % of the selected main time range.



Example: if the main time setting is 10 minutes, the fine time setting can be set between 1 and 10 minutes.

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