AX-AT-1CMDT0
Analogue Timer

AXIO

Product Overview

The AX-AT-1CMDT0 range of Analogue timers have one SPDT contact and 10 functions
and are designed for 12 to 240Vac/dc supply. The units have a slim profile and are designed for DIN rail mounting

Features

- Compact 18mm width
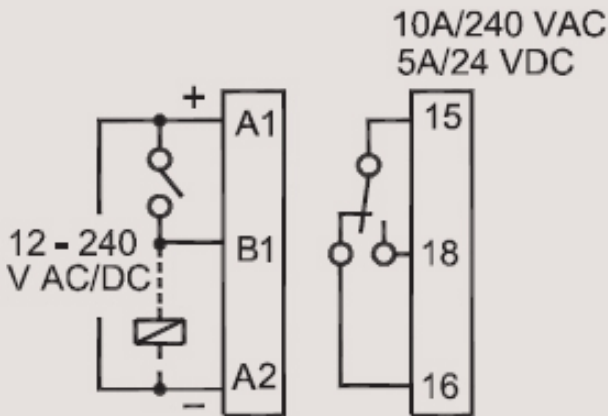- Multi-Voltage 12 to 240Vac/dc

- 10 functions
- 0.1 sec to 100hrs

Product Specification

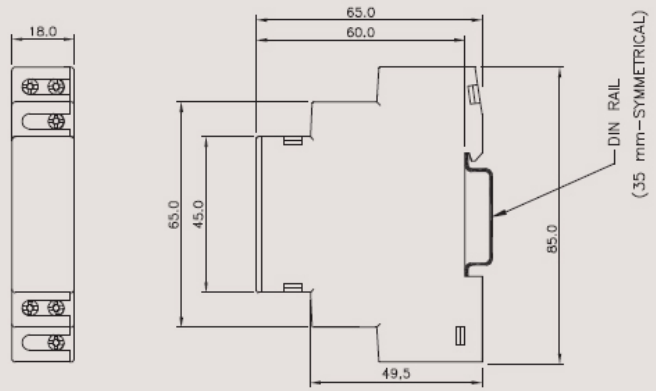|	
Power Supply:	14 to 240Vac/dc -15 to + 10% 50/60Hz
Power Consumption:	2VA
Timing Ranges:	0.1sec to 100hrs
Setting Accuracy:	+/- 5% of full scale
Relay Output:	1 x C/O SPDT
Switching Contacts	8A @240Vac resistive 5A@24Vdc
Functions:	10
LED Indication:	Green LED power on yellow LED relay ON
Initiate Time:	100msec
Reset Time:	100msec
Protection:	IP40 enclosure IP20 terminals
Mounting:	DIN
Dimensions:	18 x 60 x 85 mm
Weight:	70 gms
Terminals:	Terminals for 0.5 to 2.5mm2 cable
Ambient Range:	-15 to +60°C 10 to 95% RH non condensing
Approvals:	Œ
EMI/EMC:	IEC 61000-3-2 class A, IEC 61000-4-2 level 11, IEC 61000-3-2 level 1V IEC 61000-4-4 level 1V, IEC 61000-4-5 level 111, IEC 61000-4-6 level 111 , IEC 61000-4-11, IEC 68-2-6

Order Codes

AX-AT-1CMDT0	**-Analogue Timer 12 to 240Vac/dc 1 x C/O 10 functions dark grey housing**
AX-AT-1CMDTB	**-Analogue Timer 12 to 240Vac/dc 1 x C/O 10 functions light grey housing**

CONNECTION DIAGRAM

MOUNTING DIMENSION (mm)

10A/240 VAC
5A/24 VDC

12 - 240 V AC/DC

A1 B1 A2

15 18 16

FUNCTIONAL DIAGRAMS FOR 1CMDT0 & 1CMDTB

ON DELAY [tn]

Timing commences when supply is present. R energises at the end of the timing period.
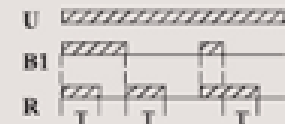
ACCUMULATIVE DELAY ON SIGNAL [san]

Time commences as supply is present and switch B1 is open. Closing switch B1 pauses timing. Timing resumes when switch B1 is opened again. R energises at the end of timing.

CYCLIC ON/OFF [cnf]

This function is quite similar to the function 'I' but initially the relay(R) is ON for period TonON after the power is applied.
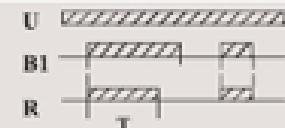
IMPULSE ON/OFF [inf]

R energises for the timing period when B1 is opened or closed. When timing commences, changing state of B1 does not affect R but resets timer.
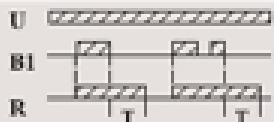
CYCLIC OFF/ON [cfn]

TonON and TonOFF can be same or different. The relay(R) keeps on changing its status till power is removed.

LEADING EDGE IMPULSE2 [iI]

When switch B1 is closed, and remains closed output relay energises until timing is over. If B1 is opened during timing, R resets.
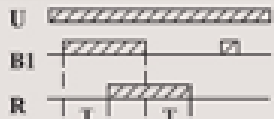
SIGNAL OFF DELAY [sf]

R energises when switch B1 is closed. Timing commences after S is opened and then the relay de-energises.

TRAILING EDGE IMPULSE1 [it]

When B1 is opened, R energises and de-energises when timing is over. If B1 is closed during timing R resets.

SIGNAL OFF/ON [sfn]

When switch B1 is closed or opened for preset timer ,T, the relay changes its state after time duration 'T'.

LEADING EDGE BISTABLE [sbi]

Relay energises when B1 is closed. Further every time B1 is closed, R keeps on changing its status till supply is on

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