

- ◆ Low cost
- ◆ Wide time range
- ◆ 48x48 mm or 96x48 mm DIN-sized front panel
- ◆ 8 operating modes
- ◆ Main and auxiliary relays
- ◆ Panel or rail mounting

DESCRIPTION

The BAT02 timer is designed for time sequence control of electrical actuators. The time setting adjustment is done by rotating a dial on the front panel and the timing is started at power-on or by external 'start/stop' contact. Various modes of operation – on-delay, off-delay, pulse output, and cyclical output – are available. The operating modes as well as the time range (for variant 'S') can be selected via micro switches. The timer may be equipped with up to 2 relays – main timing relay and auxiliary relay, which is activated at power-on or simultaneously with the main relay. BAT02 has no indication, is very easy to set and operate, and yet has all the main functions of a modern electronic timer.

TECHNICAL SPECIFICATIONS

Construction : Panel design to standard DIN or DIN-rail
Housing : Plastic
Isolation : Input to output to supply
Indication : Rotating dial
Rotating dial : For adjustment

INPUT

Type : Passive Contact (NO)
External START/HOLD : Extern closing contacts or front-panel start/stop button (H)

MODES

Ranges : 1-10, 10-100s, 1-10, 10-100 min (N)
 0-1, 0-3, 0-6, x1s, x10s, x10 min (S)
Delay : ON or OFF
Output pulse : Yes (N) No (S)
Cyclic mode : Yes (N) No (S)

OUTPUT

Relay : 250VAC 5A, NO/NC contact
SSR : 1A/250VAC
MOS gate : 0;1A/60V, optically isolated
Transistor gate : Open collector NPN 40V/40mA
Extern SSR : 12-24VDC/30mA
Relay function : Main timer relay time operated
 Auxiliary relay activates at power on



INSTALLATION

Supply : 24 to 250VAC/DC or 230, 115VAC
Ambient temp : -20 to +65°C, RH 0 till 85%
Mounting : Panel with bracket or 8-pin socket
Protection class : IP54 front , IP20 rear
Dimension : B48 x H48x D95mm (103w/socket) (S)
 B96 x H48x D136mm (type H)
Weight : 250g with bracket

PERFORMANCE

Accuracy error : 1%
Power consumption : 2 VA
EMC : EN 50081-1, EN 50082-2, EN 61010-1
 73/23/EEC & 89/336/EEC



ORDER INFORMATION

BDT12

TYPE	CASE	SUPPLY	START/STOP
N Normal	S 48x48	A 230VAC	A Power on
S Simplified	H 96x48	B 115VAC	C Front button
		K 24-250VDC	D Frm input
		D 24VDC	
		Q 12-24V(isolated)	

OUTPUT

X None
 C Relay
 D SSR
 E NPN
 J Extern SSR
 M Mos gate

OPERATING MODE

B Selectable
 D Delay ON
 E Delay OFF
 F Output pulse
 G Cyclic