

# TM

## multi-function, multi time range timer

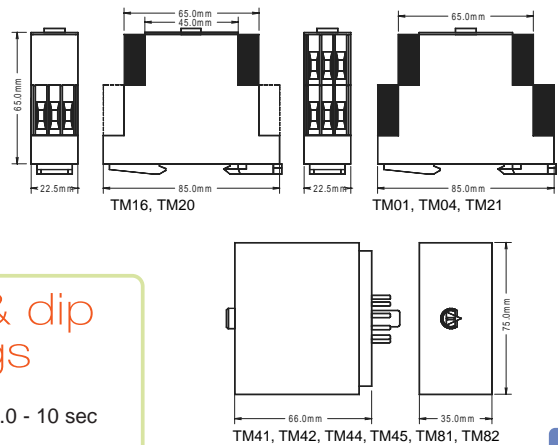
### overview

- ▲ Compact 22.5mm housing or 11 pin Plug-In housing
- ▲ SPCO or DPCO output relay
- ▲ Single, dual, selectable & zoom supply voltage options
- ▲ 6 time ranges from 0.1sec - 10 hrs
- ▲ 8 timing functions selected by DIP switch
- ▲ Dual LED indication
- ▲ 2 year Guarantee

This multi-function timer operates in any one of the 8 timing functions illustrated on the facing page. Function selection is made with a front plate located DIP switch. A second DIP switch, also located on the front plate selects any one of 6 time ranges, (see table - below right) and a knob is used to select a time within the range selected.



### dimensions



### specifications

#### Supply Voltages (see list of types)

24V ac/dc, 115V ac, 230V ac, single, dual, zoom and switchable options

**Supply Voltage Variation:** +/- 15%

**Frequency Range:** 48 - 63 Hz

#### Nominal Power Consumption

(approx<sup>'</sup>) 12/24V ac/dc 1VA

(approx<sup>'</sup>) 115V ac 3VA

(approx<sup>'</sup>) 230V ac 6VA

**Duty Cycle:** 100%

#### Repeat Accuracy:

≤ 1% of selected range

#### Operating temperature range

-20°C - +60°C

#### Industrial protection class and construction detail:

IP40

#### Terminals (DIN Rail types)

Hardened, passivated safety cage

clamp Max 6mm<sup>2</sup>

Hardened, Posidrive 1™, Captive

terminal screws

Maximum screw tightening torque, 0.8Nm

Terminals open on delivery for user

convenience

Housing made in self quenching,

safety plastic.

#### Dual LED display

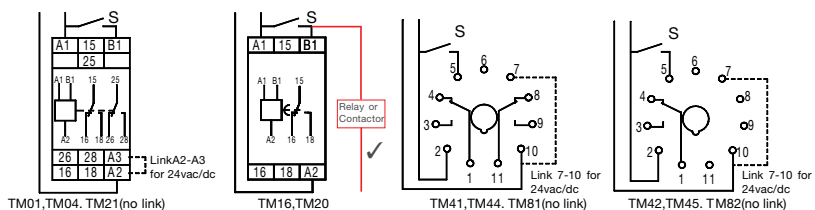
Green LED = Supply voltage

Yellow LED = Output relay energised

### time ranges & dip switch settings



### connections



#### Output Relay Details

5A/250V ac/30 V dc (permanent)

**Contact Material:** Silver alloy

#### Expected life

Mechanical: 3 x 10<sup>7</sup>

Electrical: 2 x 10<sup>5</sup> at full load.

#### Approvals

UL, CSA, TUV, VDE, SEMKO, SEV.

### list of types

#### DIN rail

Type	Supply Voltage	Output Relay
TM16	24vac/dc & 115vac-230vac Selected by slider switch	SPCO
TM20	24 - 240v ac/dc (zoom supply)	SPCO
TM01	230v ac & 24v ac/dc (dual supply)	DPCO
TM04	115v ac & 24v ac/dc (dual supply)	DPCO
TM21	24 - 240v ac/dc (zoom supply)	DPCO

#### 11 pin plug-in

Type	Supply Voltage	Output Relay
TM41	230vac & 24v ac/dc (dual supply)	DPCO
TM42	230vac & 24v ac/dc (dual supply)	SPCO
TM44	115vac & 24v ac/dc (dual supply)	DPCO
TM45	115vac & 24v ac/dc (dual supply)	SPCO
TM81	24 - 240v ac/dc (zoom supply)	DPCO
TM82	24 - 240v ac/dc (zoom supply)	SPCO

For Transformer isolated supply version substitute 4 for 7  
e.g. TM41 becomes TM71