

STANDARD, STAR-DELTA, FORWARD-REVERSE, 9-STEP

## T25 : STANDARD TIMER



- ❖ Universal supply voltage : 20 ~ 265 V AC/DC
- ❖ 2 digit display
- ❖ 0.1 seconds to 990 hours
- ❖ 9 user selectable ranges
- ❖ 4 user selectable modes
- ❖ Incrementing / decrementing display
- ❖ 0.01% quartz crystal accuracy

## SPECIFICATIONS

### PROGRAMMABLE PARAMETERS

<b>Range</b>	See Table 1
<b>Setpoints</b>	Independently selectable for t1 & t2
<b>Units</b>	t1 & t2 - See Fig 1
<b>Resolution</b>	Seconds / Minutes / Hours, Independently selectable for t1 & t2
<b>Control functions</b>	See Table 1 Independently selectable for t1 & t2 See Fig 1 ON delay Interval C1 (Relay ON at power ON) C2 (Relay OFF at power ON)
<b>Direction</b>	Up (Incrementing) Down (Decrementing)
<b>Program lock</b>	On, Off

### ELECTRICAL, MECHANICAL

<b>Display</b>	2 digit, 0.39", 7 - segment red LED
<b>Accuracy</b>	0.01% of set-time ±1 display count
<b>Timing start delay (after application of power)</b>	0.05 seconds max
<b>Reset time (minimum)</b>	50 milliseconds
<b>Relay</b>	Relay 1, 1 x NO-C-NC
<b>Relay contact rating</b>	5 A/230 V AC, resistive
<b>User programming</b>	2 keys and display
<b>Program memory</b>	Non-volatile
<b>Reset</b>	Front panel key
<b>Supply voltage</b>	20~265 V AC/DC
<b>Dimensions (in mm)</b>	80(H) x 25(W) x 85(D)
<b>Mounting</b>	Snap-on for 35 mm DIN rail to DIN 46277

TABLE 1

RANGE NO	RANGE	RESOLUTION
1	9.9 s	0.1 s
2	99 s	1 s
3	990 s	10 s
4	9.9 m	0.1 m
5	99 m	1 m
6	990 m	10 m
7	9.9 h	0.1 h
8	99 h	1 h
9	990 h	10 h

## CONTROL FUNCTIONS

t1, t2 = Setpoint 1, Setpoint 2

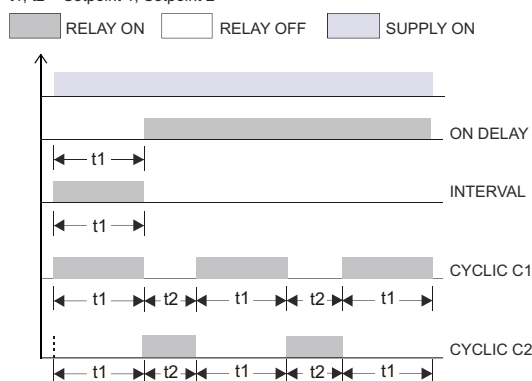


FIG 1

## T25 : 9-STEP TIMER

### SPECIFICATIONS

As for T25 - Standard Timer except those given below

### PROGRAMMABLE PARAMETERS

<b>Start</b>	P.O (Power on start) P.b (Push button switch start)
<b>Setpoints</b>	9

### ELECTRICAL

**Relay** Relay 1, 1 x NO-C-NC

## CONTROL FUNCTION

t1, t2, ..., t25 step times

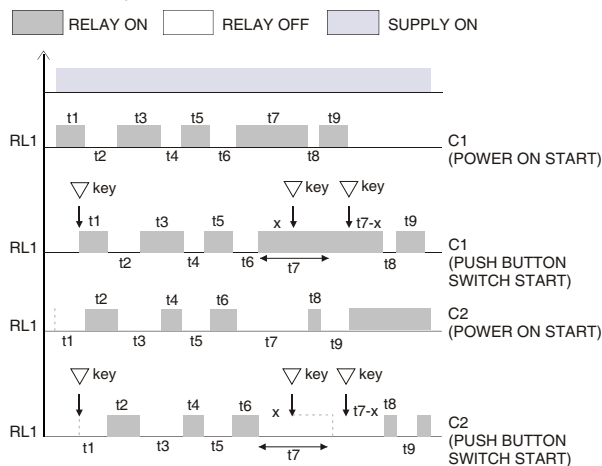
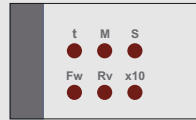


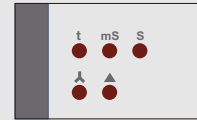
FIG 2

STANDARD, STAR-DELTA, FORWARD-REVERSE, 9-STEP

## T25 : FORWARD - REVERSE TIMER



## T25 : STAR-DELTA TIMER



### SPECIFICATIONS

As for T25 - Standard Timer except those given below

#### PROGRAMMABLE PARAMETERS

**Range**  
**Setpoints**  
See Fig 3

**Units**

See Table 2  
a) Forward setpoint  
b) Reverse setpoint  
c) Pause setpoint  
Seconds / Minutes, independent for each setpoint

#### ELECTRICAL Relays

Relay 1, 1 x NO-C (Forward)  
Relay 2, 1 x NO-C (Reverse)

### SPECIFICATIONS

As for T25 - Standard Timer except those given below

#### PROGRAMMABLE PARAMETERS

**Star setpoint (t2)**  
**Delta pause setpoint (t1)**

0~99 seconds - See Fig 4  
40~99 milliseconds - See Fig 4

#### ELECTRICAL Relays

Relay 1, 1 x NO-C (Star)

### CONTROL FUNCTION

t1 = DELTA PAUSE SETPOINT  
t2 = STAR SETPOINT

TABLE 2

RANGE	UNIT	RESOLUTION
9.9	S	0.1
99	S	1
990	S	10
9.9	M	0.1
99	M	1
990	M	10

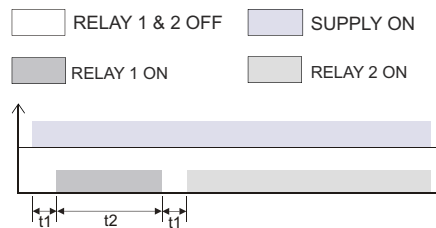
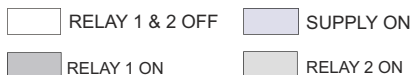


FIG 4

### CONTROL FUNCTION



tf = FORWARD SETPOINT    tr = REVERSE SETPOINT    td = PAUSE SETPOINT

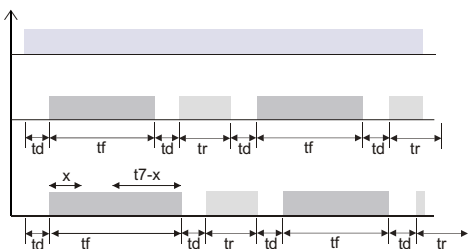


FIG 3

### ORDERING INFORMATION

2059 A

A	Function
0	Standard
1	Star-Delta
2	Forward-Reverse
3	9-Step



#### SALES INQUIRIES

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