# Digital Timer Eliso®

- Compact 17.5 mm
- Multi-voltage, Multi-function(8 or 17)
- 3 digit LCD for Preset time and Run time
- Option to select Up/Down counting Tamper proof with key lock function
- All settings accomplished with only two keys Up to 999 Hours

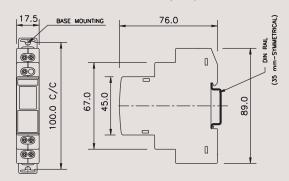


Cat. No.		V0DDTS1,	V0DDTS	V0DDTD1,	VODDTD	
Parameters						
Supply Voltage (中)		24 - 240 VAC/DC				
Supply Variation		-15% to +10% (of中)				
Frequency		50 / 60 Hz, + / - 2 Hz				
Power Consumption (Max.)		10 VA				
Timing Ranges		0.1s to 999h				
Repeat Accuracy		+/- 0.5% of selected range				
Relay Output		1 C/O (SPDT)		2 NO (DPST)		
Contact Rating Contact Material Electrical Life Mechanical Life Switching Frequency @ rated max load		8A (resistive) @ 240 VAC / 24 VDC AgSnO <sub>2</sub> 1x10 <sup>5</sup> 2x10 <sup>7</sup> 1800 Operations / h				
Utilization Category	AC - 15	Rated Voltage (Ue): 125/240 V, Rated Current (Ie): 3/1.5 A				
Offitzation Category	DC - 13	Rated Voltage (Ue): 125/250 V, Rated Current (Ie): 2/0.22/0.1 A				
Operating Temperature Storage Temperature		-10° C to +55° C -20° C to +65° C				
LED Indication		Red LED→ Relay ON				
Enclosure Dimension (W x H x D) (in mm) Weight (unpacked)		Flame Retardant UL94V0 17.5 X 89 X 76 85 g				
Mounting		Base / DIN rail				
Certification		C C USTED US ROUS Compliant				
Degree of Protection		IP 20 for Terminals, IP 30 for Enclosure				
Humidity (Non Condensing)		95% (Rh)				
EMI/ EMC Radio Interference Suppression ESD Electrical Fast Transients Surges Voltage Dips, Interruptions Vibration		CISPR 14-1 IEC 61000-4-2 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-11	Ed. 5.0 (2005-11) Class A Ed. 1.2 (2001-04) Level II Ed. 2.0 (2004-07) Level IV Ed. 2.0 (2005-11) Level IV Ed. 2.0 (2004-03) All 7 Levels (AC)	), IEC 61000-4-29	Ed. 1.0 (2000-08) All 5 Levels (DC)	

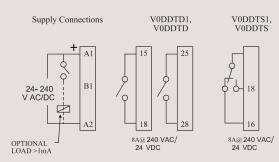
# **ORDERING INFORMATION**

Cat. No.	Description
V0DDTS	24-240 VAC/DC, 8 Functions, 1C/O
V0DDTD	24-240 VAC/DC, 8 Functions, 2 NO
V0DDTS1	24-240 VAC/DC, 17 Functions, 1C/O
V0DDTD1	24-240 VAC/DC, 17 Functions, 2 NO

## **MOUNTING DIMENSION (mm)**



# **CONNECTION DIAGRAM**

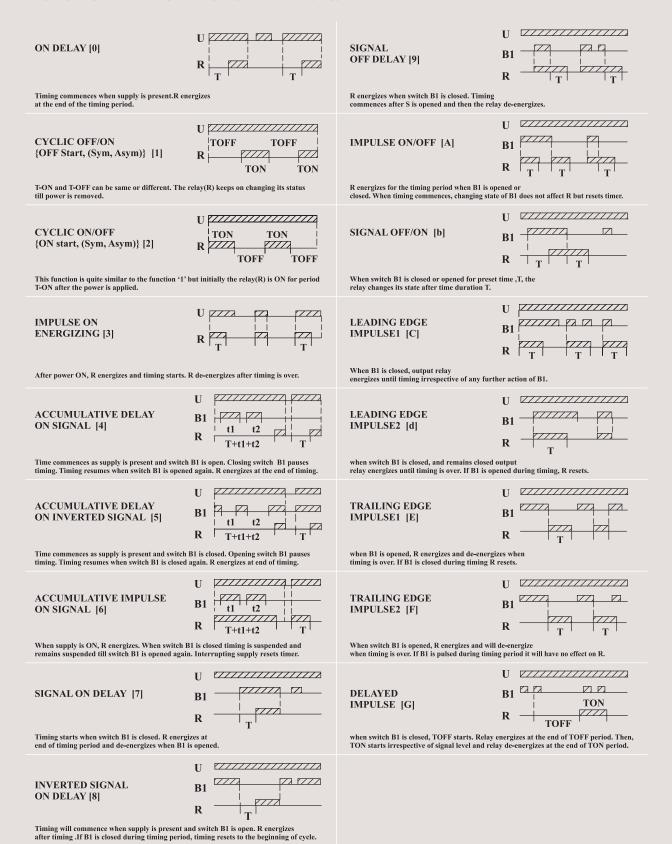


#### **TERMINAL TORQUE & CAPACITY**

Ø3.5 mm	Torque 0.54 N.m (5 Lb. in) Terminal Screw M2.5			
	$1 \times 0.2$ - 2.5 mm <sup>2</sup> Solid Wire / single wire ferrule $2 \times 0.2$ - $0.5$ mm <sup>2</sup> Insulated with twin ferrule			
AWG	1 x 22 to 14			



#### FUNCTIONAL DIAGRAMS FOR V0DDTS1 & V0DDTD1





### FUNCTIONAL DIAGRAMS FOR VODDTS & VODDTD

	P: A1-A2 ////////////////////////////////////
ON DELAY (A)	S: B1
CYCLIC OFF/ON {OFF Start, (Sym, Asym)}(b)	S: BI  TOFF TON TOFF TON  R:
CYCLIC ON/OFF {ON Start, (Sym, Asym)} (C)	S: BI  TON TOFF TON TOFF  R:
SIGNAL ON/OFF(d)	S: B1
SIGNAL OFF DELAY(E)	S: B1
INTERVAL(F)	S: B1 ///////////////////////////////////
SIGNAL OFF / ON (G)	S: B1 ///////////////////////////////////
ONE SHOT OUTPUT (H)	S:  R:  B1

Note:

For Power-On operation (P) connect the terminal B1 to A1 permanently.
 If the Signal (S) changes during the Timer Duration (T), it does not change the output relay but re-triggering takes places and the Timer Duration is extended.