

# Digicon Series *Elivo*™

- 8-mode multifunction facilities for complete flexibility and wide range applications multiple functions.
- Timing Ranges from 0.1sec to 999 hrs.
- Wide supply flexibility.
- Selectable Up/Down counting modes to show elapsed/remaining time.
- 3 Digit LC Display for Preset Time and Run Time
- Clear LED indication of Relay status
- Tamper Proof with Key lock Function
- Finger Protection provided for Terminals
- CE, RoHS marked.
- Confirms to IEC standards of EMI/EMC.
- Very compact size (17.5mm single width module) DIN Rail and Base mountable.

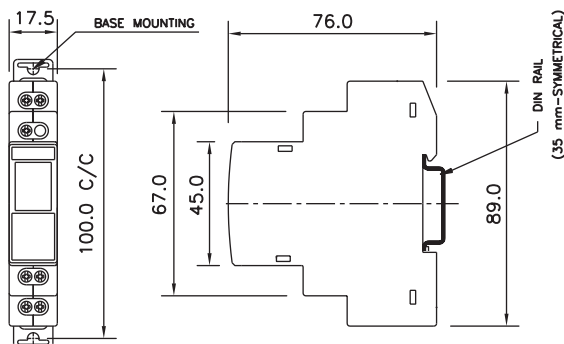


Cat. No.	V0DDTS	V0DDTD															
<b>Parameters</b>																	
Supply Voltage (Un)	24 - 240 VAC/DC																
Operating Range	-10% to +10% of Un																
Frequency	50 / 60 Hz																
Power Consumption	15 VA (approx.)																
Timing Ranges	<table border="0"> <tr> <td>h: m</td> <td>m: s</td> <td>hr</td> <td>min</td> <td>sec</td> </tr> <tr> <td>9:59</td> <td>9:59</td> <td>999</td> <td>999</td> <td>999</td> </tr> <tr> <td></td> <td></td> <td>99.9</td> <td>99.9</td> <td>99.9</td> </tr> </table>		h: m	m: s	hr	min	sec	9:59	9:59	999	999	999			99.9	99.9	99.9
h: m	m: s	hr	min	sec													
9:59	9:59	999	999	999													
		99.9	99.9	99.9													
Repetition Accuracy	+/- 0.5% of selected range (+/-50ms.)																
Max. Reset Time	100 ms																
Variation in timing due to voltage change	± 2%																
Max. Switching rate at rated / minimum load	360 operations per hr																
Contact Rating	1 C/O (SPDT) 8A (resistive) @ 240 VAC / 24 VDC	2 NO (DPST) 8A (resistive) @ 240 VAC / 24 VDC															
Material	AgNi																
Electrical Life:	1x10 <sup>5</sup>																
Mechanical Life:	5x10 <sup>6</sup>																
Operating Temp.	-10° C to +55° C																
Storage Temp.	-20° C to +65° C																
LED Indication	Red LED → Relay ON																
Housing	Flame Retardant UL94V0																
Dimension (W x H x D)	17.5 X 89 X 76 (in mm)																
Weight	785 g																
Mounting	Base / Din rail (Symmetrical 35mm)																
Terminal Capacity	2.5 mm <sup>2</sup> max																
Certification	CE, RoHS																
Degree of Protection	IP 30																
Humidity (Non - Condensing)	93% Rh																
EMI/ EMC	Level III (Air 8kV/Contact 6kV) IEC 1000-4-2,																
ESD	IEC-61000-4-4 Level IV																
Fast Transients	IEC-61000-4-5 Level IV																
Surges	IEC-61000-4-11																
Voltage Dips	IEC-61000-4-11																
Voltage Interruptions	Un ± 10% Vrms																
Voltage Fluctuation	IEC 55011 Class B																
Radio Interference Suppression																	

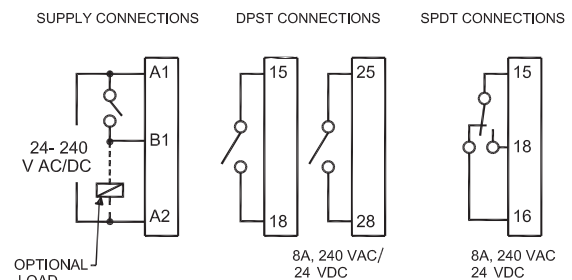
## Ordering Information

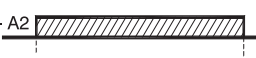
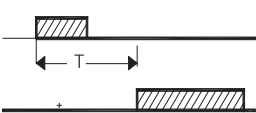
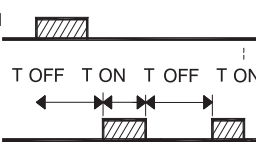
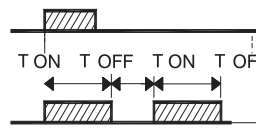
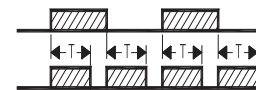
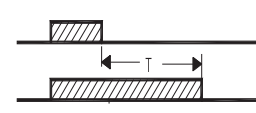
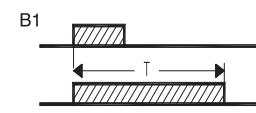
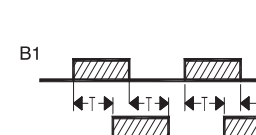
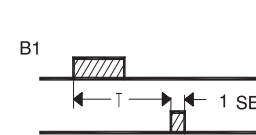
Cat. No.	Description
V0DDTS	Digital Timer In 17.5mm, 24 - 240 VAC/DC, Range 0.1 sec To 999hr, 1 C/O
V0DDTD	Digital Timer In 17.5mm, 24 - 240 VAC/DC, Range 0.1 sec To 999hr, 2 NO

## Mounting Dimension (mm)



## Connection Diagram



Functional Diagram	
<b>ON DELAY (A)</b>	<p>P : A1- A2 </p> <p style="text-align: right;">P: Power-On operation</p>
	<p>S : B1 </p> <p>R :</p>
<b>CYCLIC OFF/ON {OFF Start, (Sym, Asym)} (b)</b>	<p>S : B1 </p> <p>R :</p>
<b>CYCLIC ON/OFF {ON Start, (Sym, Asym)} (C)</b>	<p>S : B1 </p> <p>R :</p>
<b>SIGNAL ON/OFF (d)</b>	<p>S : B1 </p> <p>R :</p>
<b>SIGNAL OFF DELAY (E)</b>	<p>S : B1 </p> <p>R :</p>
<b>INTERVAL (F)</b>	<p>S : B1 </p> <p>R :</p>
<b>SIGNAL OFF / ON (G)</b>	<p>S : B1 </p> <p>R :</p>
<b>ONE SHOT OUTPUT (H)</b>	<p>S : B1 </p> <p>R :</p>

**Note:**

1. For Power-On operation (P) connect the terminal B1 to A1 permanently.
2. 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.



