

PROGRAMMABLE DIGITAL TIMER *Eliro*[®]



- Digital 7-Segment display Supply Voltage range of 110-240 VAC
- Input Signal Sensing range of 85-265 VAC/100-265 VDC & 20-60 VAC/DC
- Inbuilt library of 33 functions covering majority applications
- Easy steps to program customized functions
- Suitable for Panel mounting
- Two separate Channel outputs with selectable Timer modes
- Wide timing range - 0.1 Sec. to 999 Days
- Tamper proof with key lock feature
- Provision to edit Preset time during Run time
- Provision to save two independent functional Profiles (P1 & P2)

Cat. No.

V7DFTS3

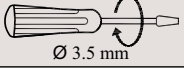

Parameters		Programmable Multi Function Digital Timer	
Timer Description		Programmable Multi Function Digital Timer	
Default Functions		1) On delay	17) Impulse on energizing
		2) On delay constant supply type 2	18) Impulse on/off
		3) On delay constant supply type 3	19) Accumulative delay on signal
		4) On delay (control switch resettable)	20) Accumulative delay on inverted signal
		5) Signal on delay	21) Accumulative impulse on signal
		6) Inverted signal on delay	22) Leading edge impulse
		7) Inverted signal on delay type 2	23) Leading edge impulse 2
		8) Signal off delay	24) Trailing edge impulse
		9) Off delay const. supply type 2	25) Trailing edge impulse 2
		10) Cyclic on/off	26) Delayed impulse
		11) Cyclic off/on	27) Delayed impulse type 2
		12) Asymmetric cycle pulse start	28) Delayed pulse (constant supply) Power based
		13) Asymmetric recycler pulse start type 2	29) Delayed pulse (remote trig.)
		14) Signal on off delay	30) Delayed pulse (const. supply type 1
		15) Signal on off delay type 2	31) On pulse (control switch resettable)/ watch dog type
		16) Signal off/on (new)	32) On pulse (supply reset)mode
			33) Leading edge bi-stable or step relay
Supply Voltage (φ)		110 - 240 VAC	
Supply Variation		-20% to +10% (of φ)	
Frequency		47-63 Hz	
Power Consumption (Max.)		9 VA	
Timing Range		0.1s to 999 days	
Reset Time/Initiate Time		200 ms (Max.) / 100 ms (Max.)	
Input Signals/Signal Isolation		High Range: 85-265V AC/ 100-265V DC, Low Range: 24-60V AC/DC / 2 KV	
Signal Sensing Time/ Wait Period		50ms. (max.) / 100ms @ Power On & for signal based modes only.	
Timing Accuracy		± 0.01%	
Output	Relay Output	2 C/O	
	Contact Rating	5A NO & 3A NC @ 250VAC/30VDC (Resistive.)	
	Electrical Life	1x10 ⁵	
	Mechanical Life	5x10 ⁶	
Utilization Category	AC - 15	250V AC/2A, Cos Ø = 0.6, 85°C, 100000 Operations.	
	DC - 13	Ue rated voltage V – 24; Ie rated current A – 2.0.	
Operating Temperature		-5° C to +55° C	
Storage Temperature		-10° C to +60° C	
Humidity (Non Condensing)		95% (Rh)	
LED Indication		SV (Red) - Set Value; P1/P2 (Red) -P1 Running; Up/Down (Red)-Up Counting; SG (Green)- Signal Present; OP1 (Red)-Relay OP1 ON; OP2 (Red)-Relay OP2 ON;	
Enclosure		IP 30 for Housing & front Facial and IP 20 for Terminals	
Dimension (W x H x D) (in mm)		48 X 48 X 91.5	
Weight (unpacked)		160 g	
Mounting		Panel/Flush	
Certification			
Degree of Protection		IP 20 for Terminals, IP 30 for Enclosure	
EMI / EMC			
Harmonic Current Emissions		IEC 61000-3-2 Ed. 3.0 (2005-11) Class A	
ESD		IEC 61000-4-2 Ed. 1.2 (2001-04) Level II	
Radiated Susceptibility		IEC 61000-4-3 Ed. 3.0 (2006-02) Level III	
Electrical Fast Transients		IEC 61000-4-4 Ed. 2.0 (2004-07) Level IV	
Surges		IEC 61000-4-5 Ed. 2.0 (2005-11) Level IV	
Conducted Susceptibility		IEC 61000-4-6 Ed. 2.2 (2006-05) Level III	
Voltage Dips & Interruptions (AC)		IEC 61000-4-11 Ed. 2.0 (2004-03) All 7 Levels	
Voltage Dips & Interruptions (DC)		IEC 61000-4-29 Ed. 1.0 (2000-08) All 5 Levels	
Conducted Emission		CISPR 14-1 Ed. 5.0 (2005-11) Class A	
Radiated Emission		CISPR 14-1 Ed. 5.0 (2005-11) Class B	
Environmental			
Cold Heat		IEC 60068-2-1 Ed. 6.0 (2007-03)	
Dry Heat		IEC 60068-2-2 Ed. 5.0 (2007-07)	
Vibration		IEC 60068-2-6 Ed. 7.0 (2007-12) 5g	
Repetitive Shock		IEC 60068-2-27 Ed. 4.0 (2008-02) 40g, 6ms	
Non-Repetitive Shock		IEC 60068-2-27 Ed. 4.0 (2008-02) 30g, 15ms	

ORDERING INFORMATION

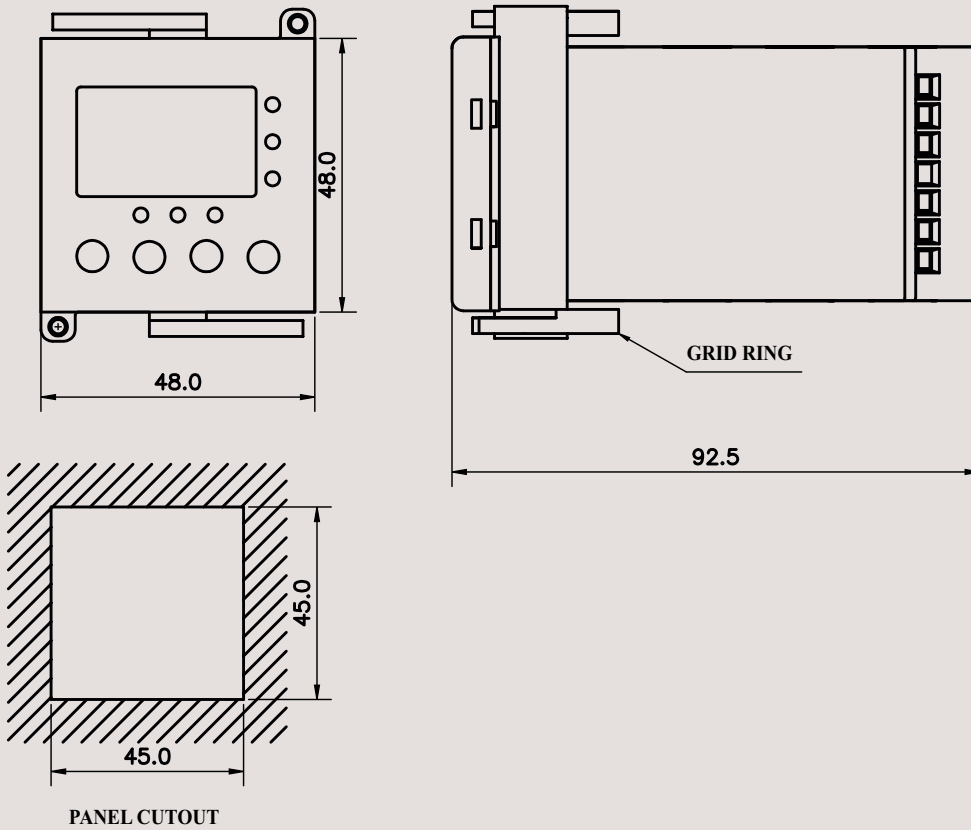
Cat. No.	Description
V7DFTS3	110 - 240 VAC, Multi Function Digital Timer - Eliro (33 Functions), 2 C/O



TERMINAL TORQUE & CAPACITY

	Torque - 0.50 N.m (3.5 Lb.in) Terminal screw - M3
	Solid Wire - 1 X 0.12...2 mm ²
AWG	1X26 to 14

MOUNTING DIMENSIONS (mm)



CONNECTION DIAGRAM

