Digital Time Switch *Crono® Pro*

- LCD Display with Green backlight
- Precise time Programming for Daily / Weekly / Pulse switching
- Bar graph showing Daily program
- 50 ON/OFF programs, 10 Holiday Programs
- Settable DST feature & Password protection
- 16A Single and Dual relay outputs
- Two Separate Relay outputs with independent Programming
- 12/24 Hour Display Format
- 6 Years Battery reserve
- Simple reset & Manual Override
- Service / Load hours measurement



Ordering Information

Cat. No.	Description
WT1SCDS	240 VAC, Digital Time Switch - Crono Pro, 1 C/O
WT2DCDS	110-240 VAC, Digital Time Switch - Crono Pro, 2 C/O
67DDT0	110 - 240 VAC, Digital Time Switch - Crono, 1 C/O
6GHDT0	24 VDC, Digital Time Switch - Crono, 1 C/O
69HDT0	12 VDC, Digital Time Switch - Crono, 1 C/O
67DDT9	110 - 240 VAC, Digital Time Switch - Pulse, 1 C/O
6GHDT9	24 VDC, Digital Time Switch - Pulse, 1 C/O
69HDT9	12 VDC, Digital Time Switch - Pulse, 1 C/O

Note: Digital Time Switch - Crono available with IEC 60730-2-7 approval
UL approval is not applicable for Crono Pro series

Digital Time Switch *Crono® Pro*



Cat. No.		WT1SCDS (*Crono® Pro*)	67DDT0 (*Crono®*)
Parameters			
Supply Voltage		240 VAC	110 - 240 VAC
Supply Variation		-20 % to +10%	
Frequency		50/60 Hz	
Power Consumption (Max.)		6 VA	4 VA
Number of Programs		50 Each channel + 10 for Holiday	25 ON/OFF Programs
Minimum Switching Time		1 sec	1 min
Pulse Duration		1 - 59 sec	N A
Number of Operating Modes		5	
Description of Modes		• AUTO - Program Run • ON AUTO - Instant ON up to next Auto Event • AUTO OFF - Instant OFF up to next Auto Event • ON - Continuous ON • OFF - Continuous OFF	
Display		LCD with backlight	
DST		Programmable	
Clock Accuracy		± 0.5 s/day max. over the Operating Temperature range	± 2 s/day max. over the Operating Temperature range
Power Reserve from Factory		6 Years	
Output	Relay Output	1 C/O	
	Contact Rating	16 A (NO) & 16 A (NC) @ 240 VAC/24 VDC (Resistive)	16A (For 'NO') & 5A (For 'NC') @ 240 VAC / 24 VDC (Resistive), Inductive (cos ø = 0.6):- 6 A @ 250 VAC
	Electrical Life	$5x10^4$	$3x10^4$
	Mechanical Life	$5x10^4$	
Utilization Category		Max switching : 16 A (NO & NC) at 250 VAC, Cos Ö = 1	AC - 15 Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3/1.5 A
		Min Switching: 10 A (NO & NC) at 250 VAC, Cos Ö = 0.6	DC - 13 Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.11 A
Operating Temperature Storage Temperature		-10°C to + 55°C -20°C to + 70°C	-10°C to + 55°C -10°C to + 60°C
Humidity (Non Condensing)		95% (Rh)	
LED Indication		Red LED → Relay ON	
Enclosure		Flame Retardant UL94-V0	
Dimension (W x H x D) (in mm)		36 X 90 X 65	
Weight (unpacked) Approx.		110 g	
Mounting		DIN rail	Base / DIN rail
Certification		CE cULus LISTED RoHS Compliant	
Degree of Protection		IP 20 for Terminals, IP 40 for Enclosure	

EMI / EMC

Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR 14-1

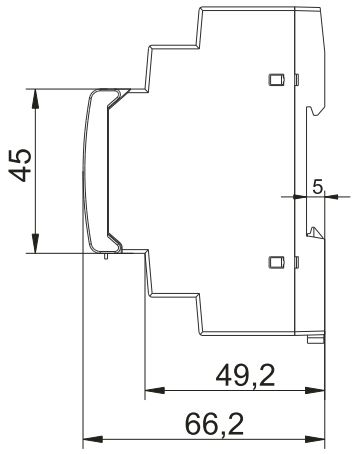
Environmental

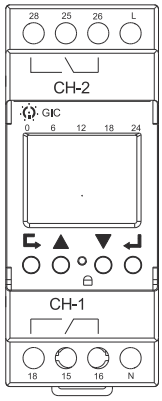
Cold Heat	IEC 60068-2-1
Dry Heat	IEC 60068-2-2
Vibration	IEC 60068-2-6
Repetitive Shock	IEC 60068-2-27
Non-Repetitive Shock	IEC 60068-2-27

Applications	Ideal for Lighting applications like street lighting, Advertising Displays, Glowsigns. Also can be used for Air conditioners / Coolers, Geysers, conveyors, pumps etc.	Ideal for Siren, Bell applications

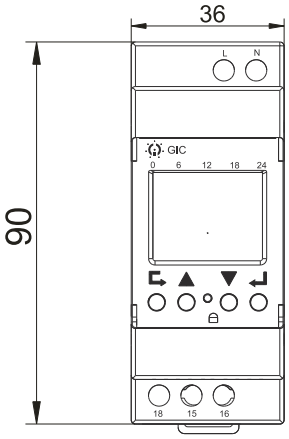
Digital Time Switch *Crono® Pro* & *Astro® Pro*

MOUNTING DIMENSION (mm)





DOUBLE CHANNEL

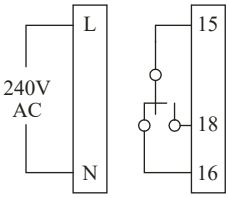


SINGLE CHANNEL

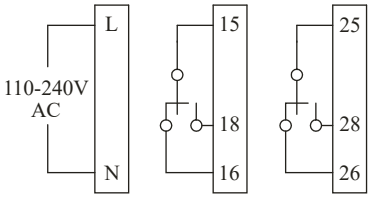
CONNECTION DIAGRAM

Digital Time Switch *Crono® Pro*

A) 1 CH Device

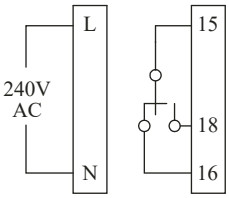


B) 2 CH Device

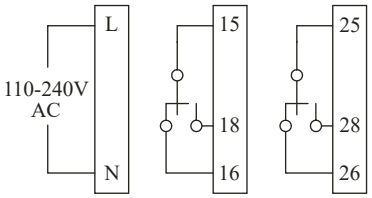


Digital Time Switch *Astro® Pro*

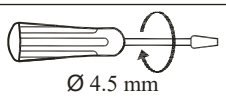
A) 1 CH Device



B) 2 CH Device



TERMINAL TORQUE & CAPACITY

 Ø 4.5 mm	0.5 N.m (4.4 Lb.in)
	1 x 4.0 mm^2 Solid/Stranded Wire
AWG	26 to 10