

Digital Time Switches *Crono® & Pulse*

- Precise time programming for Daily/Weekly/Pulse switching
- 25 ON/OFF programs
- Weekend Exclusion (FRI SAT or SAT SUN) and Weekly OFF programming
- LED Indication of Relay status
- 12/24 h display formats
- 6 Years Battery reserve
- Simple Reset & Manual override
- Settable DST & Keypad Lock Feature



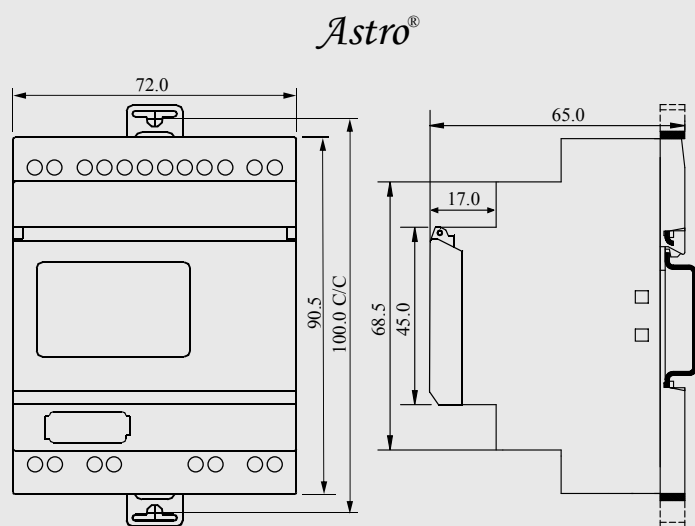
Cat. No.		67DDT0 (<i>Crono®</i>)	67DDT9 (<i>Pulse</i>)
Parameters			
Supply Voltage		110 - 240 VAC	
Supply Variation		-20 % to +10%	
Frequency		50/60 Hz	
Power Consumption (Max.)		6 VA	
Number of Programs		25 ON/OFF Programs	16 Pulse Programs
Minimum Switching Time		1 min	1 s
Pulse Duration		N A	1 to 59 s (Programmable)
Number of Operating Modes		5	3
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	• AUTO - Program Run • ON - Continuous ON • OFF - Continuous OFF
Display		3 Lines Text LCD	
DST		Programmable	
Clock Accuracy		± 2 s/day max. over the Operating Temperature range	
Power Reserve from Factory		6 Years	
Output	Relay Output	1 C/O	
	Contact Rating	16A (For 'NO') & 5A (For 'NC') @ 240 VAC / 24 VDC (Resistive), Inductive (cos φ = 0.6) :- 6 A @ 250 VAC	
	Electrical Life	3x10 ⁴	
	Mechanical Life	5x10 ⁴	
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3/1.5 A	
	DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.11 A	
Operating Temperature		-10°C to + 55°C	
Storage Temperature		-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		Base / DIN rail	
Certification		 	
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

ORDERING INFORMATION

Cat. No.	Description
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

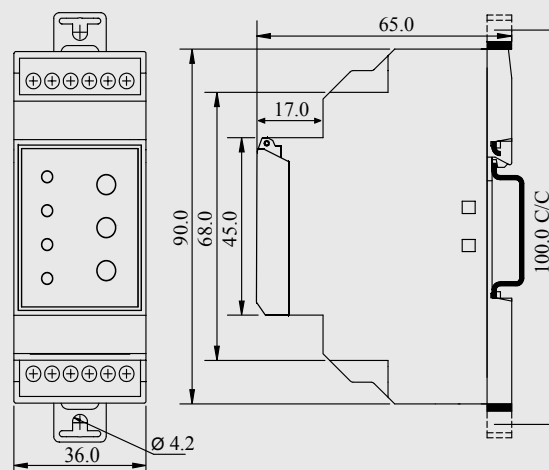


MOUNTING DIMENSION (mm)



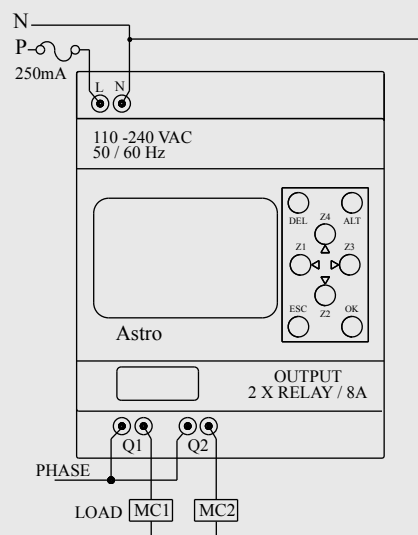
T2DDT0, T3DDT0

Crono[®], *Pulse* & *Astro*[®] *Mini*



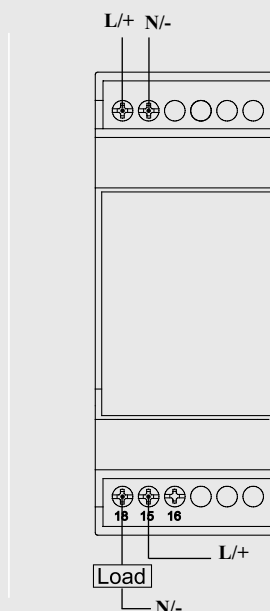
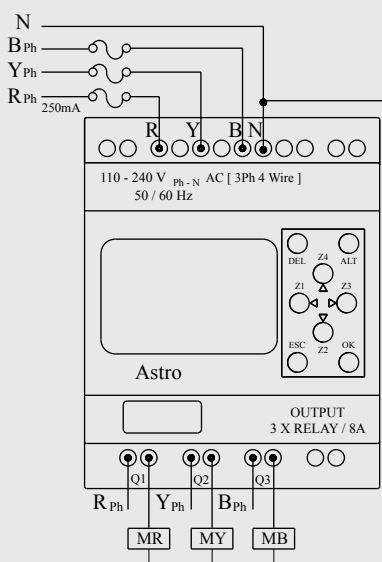
67DDT0, 67DDT9, T2DDT7, T2DDT8

CONNECTION DIAGRAM



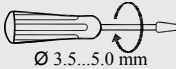
T2DDT0, T3DDT0

MC1, MC2, MR, MY, MB: CONTACTOR COILS



67DDT0, 6GHDT0, 6GHDT9, 67DDT9, 69HDT0, 69HDT9, T2DDT7, T2DDT8

TERMINAL TORQUE & CAPACITY

 Ø 3.5...5.0 mm	Torque - 1.1 N.m (10 Lb.in) Terminal screw - M3.5
	Solid Wire - 2 X 0.2...2.5 mm ²
AWG	1 X 24 to 10

T2DDT0, T3DDT0, T2DDT7, T2DDT8, 67DDT0, 67DDT9