

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 (<i>Crono[®] Pro</i>) | 67DDT0 (<i>Crono[®]</i>) |
|-------------------------------|---|---|
| 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 | <ul style="list-style-type: none"> • 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) |
| | Electrical Life | 5x10 ⁴ |
| | Mechanical Life | 5x10 ⁴ |
| Utilization Category | Max switching : 16 A (NO & NC) at 250 VAC, Cos ϕ = 1 | AC - 15 Rated Voltage (U _e): 120/240 V, Rated Current (I _e): 3/1.5 A |
| | Min Switching: 10 A (NO & NC) at 250 VAC, Cos ϕ = 0.6 | DC - 13 Rated Voltage (U _e): 24/125/250 V, Rated Current (I _e): 2.0/0.22/0.11 A |
| Operating Temperature | -10°C to + 55°C | -10°C to + 55°C |
| Storage Temperature | -20°C to + 70°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 |    | |
| 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 |

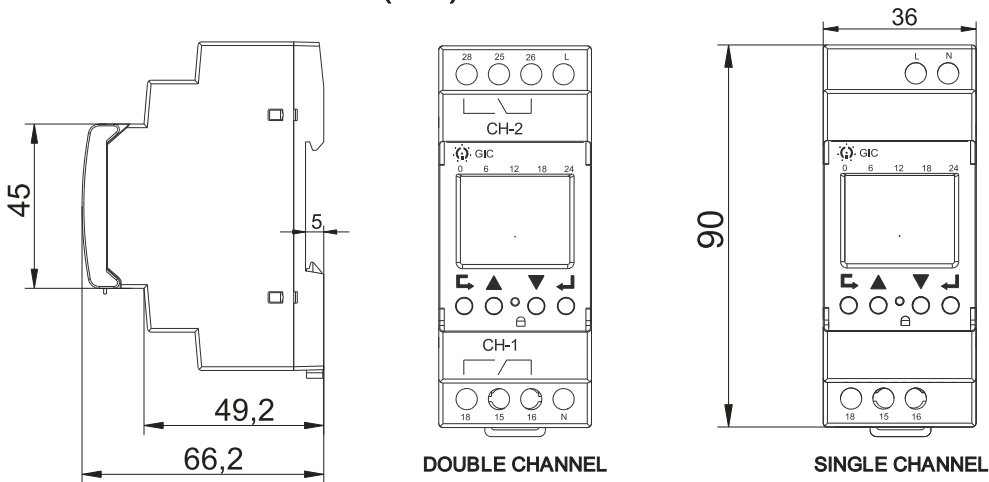
Applications

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*

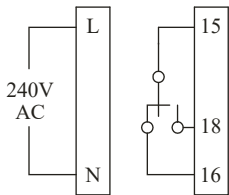
MOUNTING DIMENSION (mm)



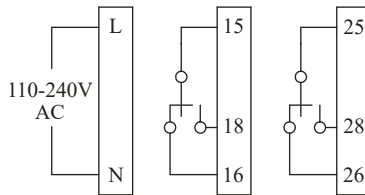
CONNECTION DIAGRAM

Digital Time Switch *Crono*[®] *Pro*

A) 1 CH Device

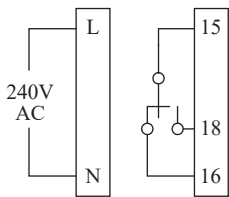


B) 2 CH Device

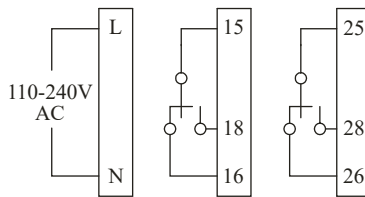


Digital Time Switch *Astro*[®] *Pro*



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 |