

# Digital Time Switch

Altech's ATS Series of Digital Time Switches comprises 6 models featuring Precise Time Programming for Daily/ Weekly (ATS-C) or Pulse (ATS-P) switching. An LCD displays current Timing and Function information.



## Features

- 25 ON/ OFF Programs (16 ON Programs for Pulse version)
- LCD Display for Time and Program Information
- Various Supply voltages
- Keypad Lockable
- 12/ 24h time format
- Settable Daylight Savings Time
- Simple Manual Override
- DIN Rail Mount

## CAT. NO.

|                | Chrono Version  | Pulse Version   |
|----------------|-----------------|-----------------|
| Supply Voltage | <b>ATS-C120</b> | <b>ATS-P120</b> |
| 12V DC         | <b>ATS-C12</b>  | <b>ATS-P12</b>  |
| 24V DC         | <b>ATS-C24</b>  | <b>ATS-P24</b>  |

## DESCRIPTION

The standard timings version (**ATS-C**) and Pulse version (**ATS-P**) essentially differ in their programmed ON/OFF duration.

### Chrono Version

The **ATS-C** Series allows daily/ weekly switching times with a minimum duration of 1min. 25 ON/ OFF programs can be configured. Application examples are Lighting applications, illuminated advertising displays, HVAC and Pump applications.

### Pulse Version

The Pulse version, **ATS-P** series, allows pulse operations to be scheduled with duration 1-59s. Application Examples are scheduling Sirens, bells, etc.

|                             |                     |                   |
|-----------------------------|---------------------|-------------------|
| Power Consumption           | 4 VA max.           | 4 VA max.         |
| Programs                    | 25 ON/ OFF Programs | 16 Pulse Programs |
| Minimum Switching Time      | 1min                | 1s                |
| Programmable Pulse duration | -                   | 1-59s             |

## Operating Modes

|          |                                   |                |
|----------|-----------------------------------|----------------|
| AUTO     | Program ON                        | Program On     |
| ON AUTO  | Instant ON until next Auto event  | -              |
| AUTO OFF | Instant OFF until next Auto event | -              |
| ON       | Continuous ON                     | Continuous ON  |
| OFF      | Continuous OFF                    | Continuous OFF |

## Specifications

### Functional

|                  |   |
|------------------|---|
| Display          | 3 Line Text LCD                             |
| Clock Resolution | 1 minute                                    |
| Clock Mode       | 12h (AM/ PM) or 24h                         |
| Clock Accuracy   | +/- 2s above operating temperature          |
| LED Indicator    | ON: relay activated, OFF: relay deactivated |

### Output

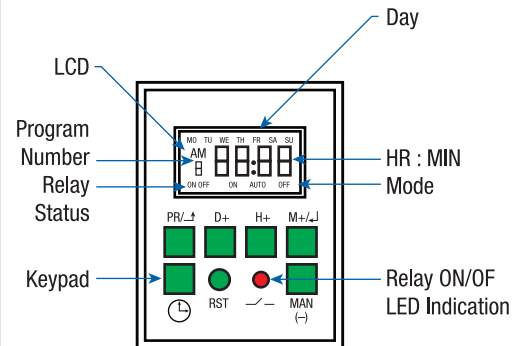
|                       |  |
|-----------------------|--|
| Output Configuration  | 1 x SPDT (C/O)   |
| Output Contact Rating | 16A (NO), 5A (NC) @ 240VAC/ 24VDC (resistive)<br>6A @ 250VAC, cosΦ=0.6 (inductive) |

|                 |   |
|-----------------|---|
| Electrical Life | 30,000 switching cycles                             |
| AC-15 Rating    | 250VAC/ 6.0A, cosΦ=0.6, 85°C                        |
| DC-13 Rating    | Rated Voltage (Ue): 24VDC, Rated Current (Ie): 2.0A |

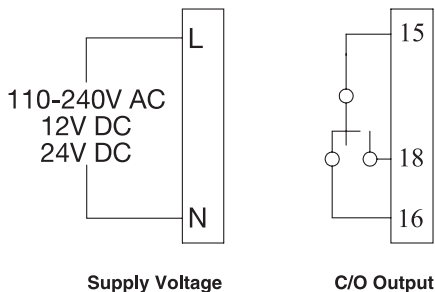
### Material

|                       |                                    |
|-----------------------|------------------------------------|
| Operating Temperature | -10°C - 55°C (14°F - 131°F)        |
| Storage Temperature   | -10°C - 60°C (14°F - 140°F)        |
| Protection Enclosure  | IP40 (Enclosure), IP20 (Terminals) |
| Housing               | UL94-V0                            |
| Torque Terminals      | 0.54 Nm (3.5lb.in.), M2.5 screw    |
| Terminal Wire Size    | 0.2-3.3mm <sup>2</sup> (24-12AWG)  |
| Weight                | 110g (0.24lb.)                     |

## DISPLAY FUNCTIONS



## Connection Diagrams



## Dimensions

