Altech Universal Digital Multi-Timer

Altech’s AMT-Series of Universal Digital Multi-Timers comprises 4 models featuring 8 or 18 timer functions to offer highest flexibility in controlling operations. The time range is adjustable from 0.1s to 999h. An LCD display shows current Run time information.

Features
- Multifunctional Timer (8 or 18 Functions)
- Universal Voltage 24~265 VAC/ DC
- Wide Time Range: 0.1s ~ 999h
- 3 Digit LCD Display for Preset Time and Run Time
- DIN Rail Mounted
- 17.5mm Width

Digital Timers

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>AMT8-S1</th>
<th>AMT8-D2</th>
<th>AMT12-S1</th>
<th>AMT12-D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Contacts</td>
<td>1 C/O</td>
<td>2 NO</td>
<td>1 C/O</td>
<td>2 NO</td>
</tr>
<tr>
<td>No. of Timer Functions</td>
<td>8</td>
<td>8</td>
<td>18</td>
<td>18</td>
</tr>
</tbody>
</table>

Specifications

Supply Voltage 24 - 265 VAC/ DC (50, 60Hz)

Power Consumption 10 VA max.

Timing Range 0.1s ~ 999h

Reset Time 200ms max.

Repeat Accuracy +0.5%

Output Contact Rating 8A @ 240 VAC/ 24 VDC (resistive)

Electrical Life 10,000 switching cycles

Mechanical Life 2,000,000 switching cycles

AC-15 Rating Rated Voltage (Ue): 125/ 240V, Rated Current (Ie): 3/1.5A

DC-13 Rating Rated Voltage (Ue): 125/ 250V, Rated Current (Ie): 2/0.22/0.1A

Operating Temperature -10ºC ~ +55ºC (+14ºF ~ 131ºF)

Storage Temperature -20ºC ~ +65ºC (-4ºF ~ 149ºF)

Weight 85g (0.14lb.)

Protection Enclosure IP30

Protection Terminals IP20

Torque 0.40 Nm (3.5 lb.in.)

Terminal Wire Size 0.3-2.5 mm² (22-14 AWG)

Connection Diagrams

Dimensions

Scan this QR code for more information.
Altech Universal Multi-Timer

Altech’s Universal Multi-Timers comprises 2 models featuring 2 or 10 timing functions to offer highest flexibility in controlling operations. The time range is adjustable from 0.1s to 100h. Dials on the front make it easy to use.

Features
- Multifunctional Timer (10 Functions)
- Assymetric Timer (2 Functions)
- Universal Voltage 12-265V AC/ DC
- Wide Time Range: 0.1s ~ 100h
- LED Indicator for Power and Relay Status
- DIN Rail Mounted
- 17.5mm Width

Digital Timers

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>AMT10-S1</th>
<th>AMTAS-S1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Contacts</td>
<td>1 C/O</td>
<td>1 C/O</td>
</tr>
<tr>
<td>No. of Timer Functions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functions</td>
<td>1) Signal ON Delay</td>
<td>1) Assymetric ON/ OFF</td>
</tr>
<tr>
<td></td>
<td>2) Cyclic ON/ OFF</td>
<td>2) Assymetric OFF/ ON</td>
</tr>
<tr>
<td></td>
<td>3) Cyclic OFF/ ON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4) Signal OFF Delay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5) Signal OFF/ ON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6) Accumulative Delay on Signal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7) Impulse ON/ OFF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8) Leading Edge Impulse</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9) Trailing Edge Impulse</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10) Leading Edge Bi-stable</td>
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</tr>
</tbody>
</table>

SPECIFICATIONS
- Supply Voltage: 12 - 265 VAC/ DC (50, 60Hz)
- Power Consumption: 2 VA max.
- Timing Range: 0.1s ~ 100h
- Reset Time: 200ms max.
- Repeat Accuracy: +1.0%
- Output Contact Rating: 8A @ 240V AC / 5A@240V DC (resistive)
- Electrical Life: 10,000 switching cycles
- Mechanical Life: 1,000,000 switching cycles
- AC-15 Rating: Rated Voltage (Ue): 125/ 240V, Rated Current (Ie): 3/1.5A
- DC-13 Rating: Rated Voltage (Ue): 125/ 250V, Rated Current (Ie): 2/0.22/0.1A
- Operating Temperature: -10°C ~ +60°C (+14ºF ~ 131ºF)
- Storage Temperature: -15°C ~ +70°C (-4ºF ~ 149ºF)
- Weight: 70g (0.14lb.)
- Protection Enclosure: IP30
- Protection Terminals: IP20
- Torque: 0.60 Nm (6 lb.in.)
- Terminal Wire Size: 0.3-2.5 mm2 (18-10 AWG)

DISPLAY FUNCTIONS
- Green LED: Power ON
- Yellow LED: Relay ON

CONNECTION DIAGRAMS
- AMT10-S1, AMTAS-S1

DIMENSIONS
Altech 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 shows 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
- Simple Manual Override
- Settable Daylight Savings Time
- DIN Rail Mount

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>Chrono Version ATS-C</th>
<th>Pulse Version ATS-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>110-240V AC</td>
<td>ATS-C12</td>
</tr>
<tr>
<td>12V DC</td>
<td>ATS-C12</td>
<td>ATS-P12</td>
</tr>
<tr>
<td>24V DC</td>
<td>ATS-C24</td>
<td>ATS-P24</td>
</tr>
</tbody>
</table>

Power Consumption
- 4 VA max. (Chrono)
- 4 VA max. (Pulse)

Programs
- 25 ON/OFF Programs (Chrono)
- 16 Pulse Programs (Pulse)

Minimum Switching Time
- 1min (Chrono)
- 1s (Pulse)

Programmable Pulse Duration
- 1-59s

OPERATING MODES

<table>
<thead>
<tr>
<th>Mode</th>
<th>Chrono Version</th>
<th>Pulse Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO</td>
<td>Program ON</td>
<td>Program On</td>
</tr>
<tr>
<td>ON AUTO</td>
<td>Instant ON until next Auto event</td>
<td>–</td>
</tr>
<tr>
<td>AUTO OFF</td>
<td>Instant OFF until next Auto event</td>
<td>–</td>
</tr>
<tr>
<td>ON</td>
<td>Continuous ON</td>
<td>Continuous ON</td>
</tr>
<tr>
<td>OFF</td>
<td>Continuous OFF</td>
<td>Continuous OFF</td>
</tr>
</tbody>
</table>

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)
- 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: 0.2-3.3mm² (24-12AWG)
- Weight: 110g (0.24lb.)

CONNECTION DIAGRAMS

DISPLAY FUNCTIONS

DIMENSIONS
Altech Programmable Panel-Mount Digital Multi-Timer

Altech's AMT33 Series of Programmable Panel-Mount Digital Multi-Timers comprises 2 models featuring 33 Timing Functions and 2 separate Outputs with selectable Timing modes for maximum flexibility in automation and control applications. Timing Range is adjustable from 0.1s to 999 days. A Digital 7-Segment shows current Run Time and Input/Output states.

FEATURES
- 33 Built-in Timing Functions
- Supply Voltage 110-240 VAC
- 7 Segment Digital LED Display
- 2 Separate Output Channels
- Individually selectable Timing Functions
- Wide Timing Range 0.1s - 999 days
- Compact Design
- Panel & DIN rail (11-pin socket) mount

CAT. NO. AMT33-S2 AMT33-S2-11
Mounting Panel Mount DIN/11-pin Socket Mount

SPECIFICATIONS

Electrical
Supply Voltage 110-240VAC (-20% to +10%), 50/60Hz
Power Consumption 9 VA max.
Timing Range 0.1s - 999 days
Reset Time/Initiation Time max. 200ms/100ms
Timing Accuracy +/− 0.01%

Input
Input Signal High Range: 85-265VAC/100-265DC
Low Range: 24-60V AC/DC
Signal Sensing Time 50ms max. (10ms for DC)
Signal Wait Period 100ms @ Power on/signal based modes
Signal Isolation 2kV

Output
Output Configuration 2 x SPDT (C/O)
Output Contact Rating 5A (NO), 3A (NC)
Electrical Life 10,000 switching cycles
Mechanical Life 500,000 switching cycles
AC-15 Rating 250VAC/2A, cosφ=0.6, 85°C
DC-13 Rating Rated Voltage (Ue): 24VDC, Rated Current (Ie): 2.0A

Material
Operating Temperature -5°C - 55°C (23°F - 131°F)
Storage Temperature -10°C - 60°C (14°F - 140°F)
Protection Enclosure IP30 (Enclosure), IP20 (Terminals)
Torque Terminals 0.50 Nm (3.5lb.in.), M3 screw
Terminal Wire Size 0.12-2.0mm2 (26-14AWG)
Weight 160g (0.35lb)

CONNECTION DIAGRAMS

DISPLAY FUNCTIONS

DIMENSIONS

Altech Corp.® 35 Royal Road  Flemington, NJ 08822-6000  Phone (908)806-9400  FAX (908)806-9490  www.altechcorp.com