

PTC-14-A



Multifunction Digital Timer



- 4 digit red LED display dual timer
- 5 programmable timing modes
- Time ranges from 99.99sec to 9999hrs
- 24Vac/Vdc or 100-240Vac
- 1 changeover and 1 N/O relay output
- Programmable start and reset
- EEPROM memory (minimum 10 years)
- Security passcode
- IP65 enclosure code
- Panel mounting
- Selectable up/down timing
- LED status and timing indicators
- CE and RoHS compliant



The Omega PTC-14-A dual 4 digit digital timer is a multifunction, multi-time range digital timer suitable for controlling operation of equipment, machinery, systems or processes in a wide range of industrial applications.

Five timing functions can be selected together with time ranges from 0.01 second to 9999 hours, to operate two independent relay output contacts which are isolated from the supply voltage.

The output contacts can be configured as two timed outputs, or one timed and one instantaneous output.

These timers are housed in a compact panel mounting enclosure and are powered from 24Vac/dc or 100-240Vac.

Specifications

Accuracy: $\pm 0.1\%$ of full scale

Power Supply Voltage:

PTC-14-LV-A: 24Vac/dc

PTC-14-A: 100 to 240Vac

Burden: <3VA

Frequency: 50/60Hz

Time Ranges:

0.01 to 99.99sec, 00:01 to 99:59min

00:01 to 99:59hrs, 1 to 9999hrs

Relay Output:

Single pole changeover contact and single pole N/O contact

Contact Rating:

OP1 16A at 250Vac/30Vdc (resistive)

OP2 5A at 250Vac/30Vdc (resistive)

Electrical Contact Life:

100,000 operations

Reset Time:

100ms approx.

Mechanical

Enclosure: Panel mounting to DIN 43700, Self extinguishing plastic case
Plug in connection terminals

Enclosure Code:

Case IP65

Weight: 170g

Environmental

Operating Temperature:

0°C to 50°C (32°F to 122°F)

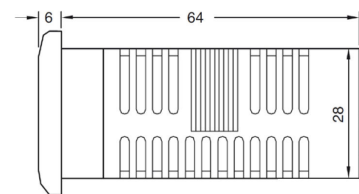
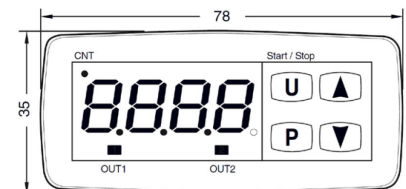
Storage Temperature:

-20°C to 60°C (-4°F to 140°F)

General

Markings: CE marked

(meets 2014/35/EU low voltage and 2014/30/EU EMC directives)



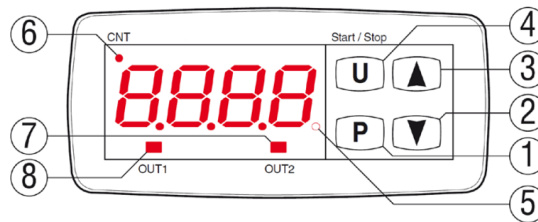
Panel cutout 71mm x 29mm (-0.0/+0.5)

Allow 95mm x 41mm clearance around controller for panel clips

Timing Modes

Timing Mode	Timing Function Description	Start / Stop / Reset / Count
OUT1 Mode 1	Delay on Energise (On Delay)	Bistable Start/Stop Bistable Reset-Start/Stop Monostable Start/Stop Monostable Reset-Start/Stop Bistable Reset/Start/Stop Bistable Start/Stop-Reset Count UP or DOWN
OUT1 Mode 2	Interval	
OUT1 Mode 3	Immediate Cycling with Variable On and Off Times	
OUT1 Mode 4	Delayed Cycling with Variable On and Off Times	
OUT1 Mode 5	Single Delayed Cycle with Variable On and Off Times	
OUT2 Mode 1	Disabled	
OUT2 Mode 2	Instantaneous Contact	
OUT2 Mode 3	Operates the same timing function as OUT1 with an independent set time	Bistable Start/Stop Bistable Reset-Start/Stop Monostable Start/Stop Monostable Reset-Start/Stop Bistable Reset/Start/Stop Bistable Start/Stop-Reset Count UP or DOWN
OUT2 Mode 4	Operates the same timing function as OUT1 but in advance of OUT1 by an independent set time	
OUT2 Mode 5	Energises when the buzzer sounds	

Front Panel Display Functions



1. **P**: Key to set the time delays and to access the parameter programming mode to set the parameter values.
2. **▼**: Key to decrease the setting value and to select parameters.
3. **▲**: Key to increase the setting value and to select parameters.
4. **U Start/Stop**: Press for Start/Stop/Reset functions.
5. **SET LED**: In normal operating mode this indicates the time delays are being set. In programming mode this indicates the parameter programming level.
6. **CNT LED**: Indicates count in progress, count interrupted or the reset status.
7. **OUT1 LED**: Indicates the status of output relay 1.
8. **OUT2 LED**: Indicates the status of output relay 2.

To Order	
P/N	Description
PTC-14-LV-A	Multifunction Digital Timer 24Vac/dc
PTC-14-A	Multifunction Digital Timer 100-240Vac