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UDT Universal Digital Timers

Models Available
UDT Universal Digital Timer

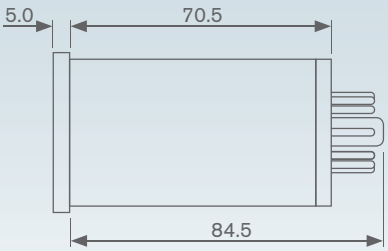
Product Features
- 3 digit LCD display
- 6 programmable timing modes
- 6 time ranges from 0.1 sec to 99.9 hrs
- 18 to 264Vac and 18 to 300Vdc
- Changeover relay output
- Standard DIN48 square size
- Plug-in socket or panel mounting
- Matching temperature controllers
- Matching tachometer relays
- Plug-in sockets also available

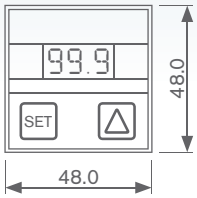
The Tempatron UDT universal digital timer is a 3 digit multifunction, multi-time range digital timer suitable for controlling operation of equipment, machinery, systems or processes in a wide range of industrial applications. Six timing functions can be selected together with time ranges from 0.1 seconds to 99.9 hours and the single pole changeover relay output contacts are isolated from the supply voltage.

These timers are housed in a compact DIN48 square enclosure which can either panel mount or surface/DIN rail mount to a socket, and can be powered from a wide range of 18 to 264Vac and 18 to 300Vdc. The UDT timer has an internal lithium battery ensuring user settings are retained in the event of power failure and it can be programmed prior to installation, without a power supply.

For timing control of machinery, systems and operational processes

Dimensions

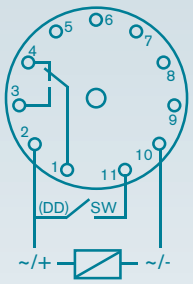




Panel cutout 45mm square (-0.0/+0.5)

All dimensions in mm

Connections



Ordering information

Model	Code	Description
	UDT	Universal Digital Timer (Delay on Energise, Delay on De-Energise, Delayed Pulse (T2=250ms), Interval, Delayed Cycling, Immediate Cycling)

Plug-in Bases	Code	Description
	CDSR11	11 Pin Rear Screw Panel Socket
	AZ611	11 Pin DIN Rail/Panel Mount Socket
	S11P	11 Pin DIN Rail/Panel Mount Socket

Example	UDT with CDSR11

Note:

This product contains a lithium battery which must not be cut open, incinerated, exposed to temperatures above 60°C or recharged. At the end of the product's life it must be disposed of in accordance with local regulations.

Specification

Accuracy:
- Scale accuracy: ±0.5% or 20ms (whichever is greatest)
- Repeat accuracy: ±0.3% of set time

Power Supply Voltage:
- 18 to 264Vac and 18 to 300Vdc

Burden:
- 2W or 4VA

Frequency:
- 47 to 440Hz

Battery Life:
- 7 to 10 years dependent on use

Time Ranges:
- 0.1 to 9.99sec, 0.1 to 99.9sec
- 0.01 to 9.99min, 0.1 to 99.9min
- 0.01 to 9.99hrs, 0.1 to 99.9hrs

Relay Output:
- Single pole changeover contact

Contact Rating:
- 10A at 240Vac/30Vdc (resistive)

Electrical Contact Life:
- 200,000 operations at 10A

Isolation:
- 1500Vac 50Hz for 1 minute

Operating Temperature:
- -20°C to 60°C

Enclosure Code:
- Case IP40

Weight:
- 160g

Markings:
- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

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