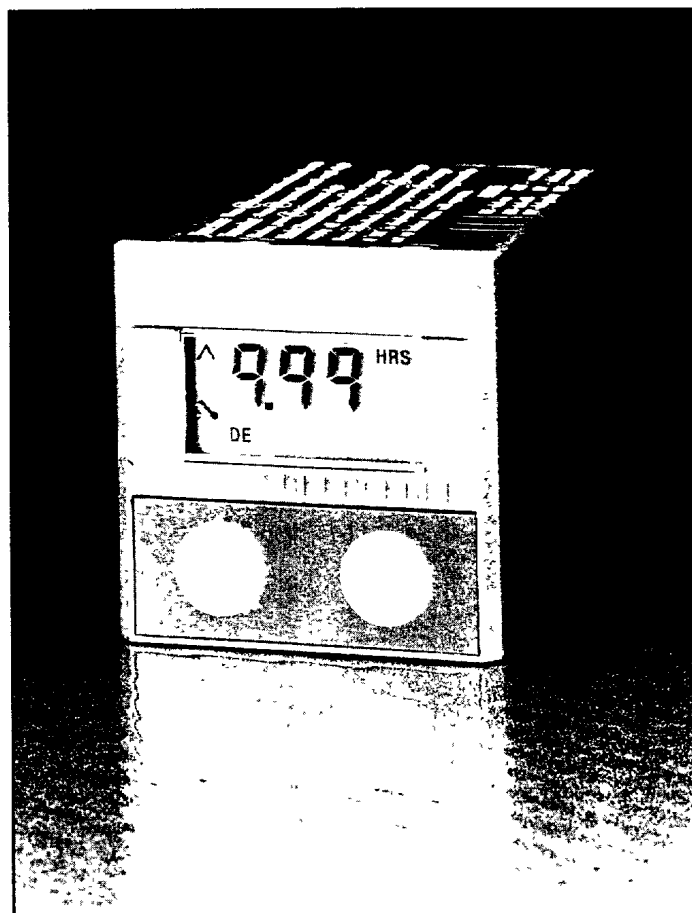


*A Vision
of the Future*

Timers

UNIVERSAL DISPLAY TIMER

The Universal Display Timer (UDT) offers a complete solution for all industrial timing applications. It combines a multitude of time ranges and operating modes plus universal supply voltage, with the simplest of setting procedures to give the ultimate in flexibility in a single model. A key feature of this design is its aesthetically pleasing style which harmonises perfectly with the DTC 400 ON/OFF temperature controller.



FEATURES

- * Multi-operating modes - as detailed below
- * Independent cycle time ranges
- * 6 time ranges from .1 secs to 99.9 hrs
- * 2 button set-up operating procedure
- * Display up or down count of time
- * Clear LCD display
- * Tamper proof range and mode settings for added security
- * Universal power supply 18 to 264 VAC/DC
- * Panel/plug- in mounting
- * 7 Amp relay output

Operating Modes	Delay on Energise	Delay on De-energise	Delayed Pulse	Interval, Output	Immediate Cycle	Delayed Cycle
Supply						
Output						
Input					Two independent times can be set	
Time Ranges	Seconds	Seconds X 10	Minutes	Minutes X 10	Hours	Hours X 10
	0.01 to 9.99 Secs	00.1 to 99.9 Secs	0.01 to 9.99 Mins	00.1 to 99.9 Mins	0.01 to 9.99 Hours	00.1 to 99.9 Hours



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UDT Programming data

Set - up Procedure

The two buttons on the front fascia **SET** and **▲** are used for all adjustments. The set time may be adjusted at any time, but range and mode may only be altered when the supply is removed.

To set-up for the first time

- Press **SET** for 5 seconds to set mode
- Press **▲** to select mode
DE → DD → DP → INT → CY → ICY
- Press **SET** to set time range
- Press **▲** to select time range
sec → secx10 → min → minx10 → hrs → hrsx10
- Press **SET** to set time elapsed / time to elapse
- Press **▲** to select time elapsed Δ = time to elapse ∇
- Press **SET** to display set time

To adjust set time only

- Press **SET** to select 100 digit
- Press **▲** to set 100 digit
- Press **SET** to select 10 digit
- Press **▲** to set 10 digit
- Press **SET** to select units
- Press **▲** to set units
- If the cycle mode is in operation the above sequence will adjust the CY+ set time. To adjust the CY - set time repeat the sequence as shown
- Press **SET** to terminate the set time adjustment and commence operation

For subsequent display and adjustment of set time:

To display set time

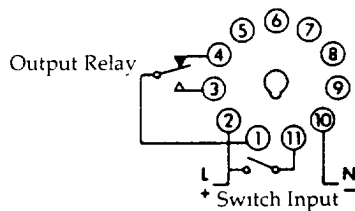
- Press **SET** to display set time
- If the CY mode is in operation
 - Press **SET** once to display CY + set time
 - Press **SET** twice to display CY - set time
- Set up procedure complete if no adjustment to set time

Specification

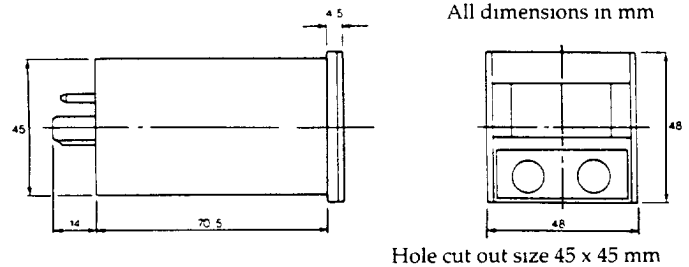
Supply Voltage	18 to 300 VDC / 18 to 264 VAC, 47 to 440 Hz
Power Consumption	1 Watt max.
Operating Ambient Temperature	-10 to 60 °C
Storage Temperature	-20 to 85 °C
Time Ranges	As detailed on page 1
Scale Accuracy	+/- 20 msec or +/- 0.5% of set time whichever is greater
Repeat Accuracy	+/- 0.3% of set time
Reset Time	10 msec max.
Output	Single pole changeover contact rated 7.0 A 30 VDC / 240 VAC resistive
Electrical Life	200,000 operations at rated load
Mechanical Life	10 million operations
Isolation	1500 VAC 50 Hz for 1 minute
Terminations	Via Tempatron screw terminal sockets DIN rail or Chassis type AZ611 Panel Mounting type AZ511

(Unless otherwise stated, Ta = 10 to 60 °C)

Connection data



Dimensions



For further information, please contact our sales office at:

 **TEMPATRON**

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