CONTROL DIVISION

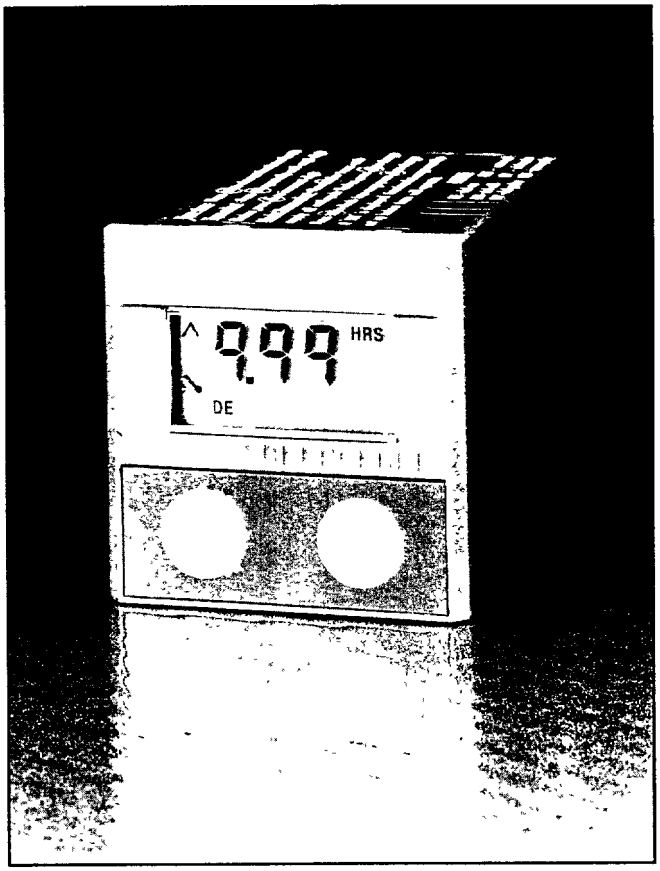
177-473

A Vision of the Future

Timers

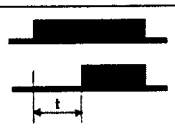
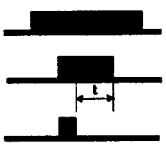
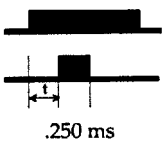
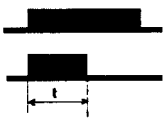
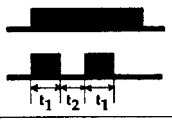
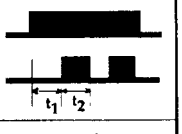
UNIVERSAL DISPLAY TIMER

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			 .250 ms		 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 Λ ▸ time to elapse V

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

To adjust CY- set time

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

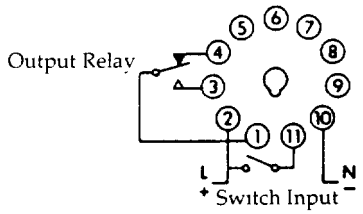
Press SET twice to display CY - set time

Set up procedure complete if no adjustment to set time

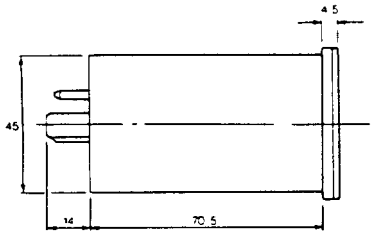
Specification

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.
Ouput	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)	

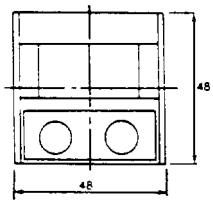
Connection data



Dimensions



All dimensions in mm



Hole cut out size 45 x 45 mm

For further information, please contact our sales office at:

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