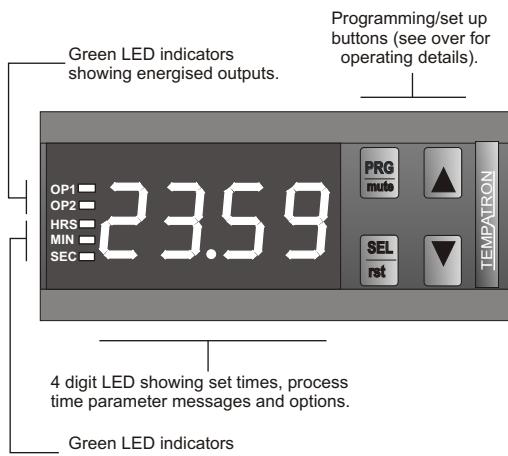
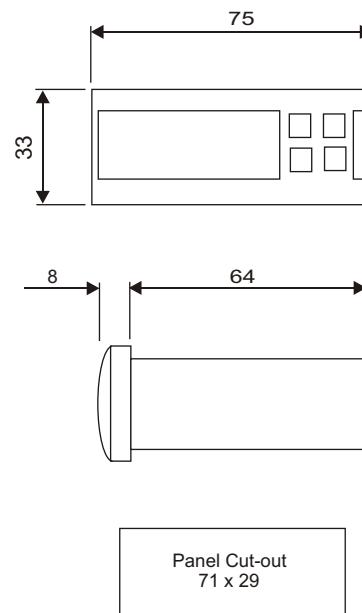




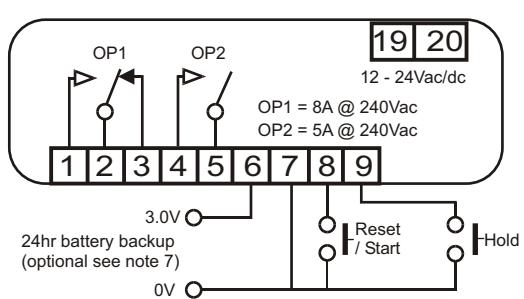
## Front Panel Functions



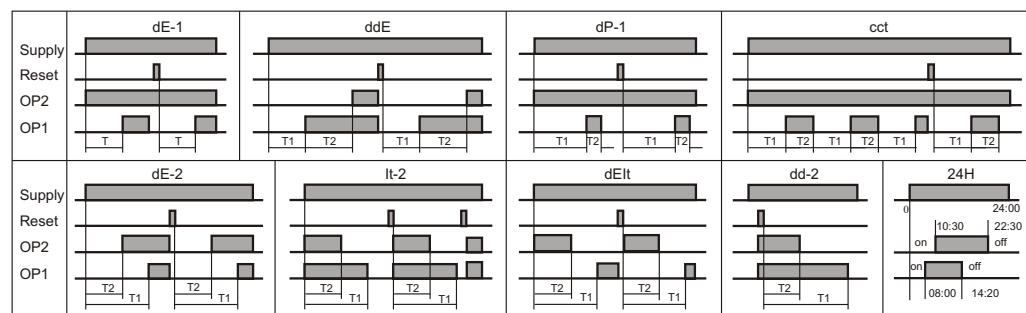
## Dimensions



## Wiring Diagram



## Timing Modes



## Program Parameters

Parameter	Function	Default Value	Range/Options
SET 1	Timing set-point 1	9000	0 to Timing Range
SET 2	Timing set-point 2	9000	0 to Timing Range
PASS	Password to access Program	3232	0 to 4999 for adjustable parameters 5000 to 9999 for parameter lock (view only)
MODE	Timing Mode selection	dE-1	dE-1: On-Delay + Instantaneous ddE: 2 dependent On-Delays dP-1: Delayed Pulse + Instantaneous cct: Cycle Timer with adjustable on & off dE-2: 2 independent On-Delays It-2: 2 independent Intervals dEl: Independent On-Delay + Interval dd-2: 2 independent Off-Delays 24H: 24 hour clock with 2 on & 2 off times
RNG1	Timing Range selection	SECS	SECS: 0.1 to 999.9 seconds SECS: 0 to 9999 seconds
RNG2			MINS: 0 to 9999 minutes M-S: 0 to 99 mins 59 secs H-M: 0 to 99 hours 59 mins (23 h 59 m in 24H mode)
CNT	Direction of Timing Countdown	uP	uP, dn
RSET	Reset options with RST button	OFF	OFF: Reset button inactive u on: Unconditional Restart t on: Restart only after time-out Euon: External Unconditional Restart Eton: External Restart only after time-out
AST	Auto-Start mode - NEW	ON	ON: Timer starts from switch on. OFF: Timer waits for Start/Reset signal.
BEEP	Action of Buzzer at Time-out	OFF	OFF, on
BUTT	Allows beep on key press to be switched on or off.	ON	OFF, on
CLOC	Sets the 24 hour clock	00:00	0 to 23 hours 59 minutes
ON1, OFF1,	On and Off time settings in 24 hour mode	00:00	0 to 23 hours 59 minutes
ON2, OFF2			

## Specification

Ambient Temperature : 0 to 50 °C.

Storage Temperature : -10 to 70 °C.

Power Supply : 12-24 Vac/dc +/- 10%.

(110Vac or 240vac may be used with separate transformers TRA11 and TRA12 respectively)

Power Consumption : 3 VA Max.

Contact Rating OP1 : 8A @ 240Vac resistive.  
OP2 : 5A @ 240Vac resistive.

Electrical Life : 200,000 operations at rated load.

CE Approvals : EMC EN 50081-1  
EN 50082-1  
Low Voltage EN 61010-1

## Other Products

Versions of this timer are also available in a 1/16 DIN package (48 x 48mm) - TE48 - and a Din rail mounting package - TTDR.

This timer has a matching range of temperature controls - the IR32 - covering simple on/off and proportional control right up to sophisticated autotuning PID control.

In addition Tempatron can supply a broad range of industrial control products from temperature and proximity sensors, timers, controllers, chart recorders, solid state relays and heating elements. Call our sales office or visit our internet web site for more details.

## Program Parameter Map

