



MULTIRANGE
MULTIFUNCTION
33x75 mm
48x48 mm
72x72 mm


TT 34

TT 49

TT 73
MECHANICAL CHARACTERISTICS

Housing	Self-extinguishing plastic, UL 94 V0		
Dimensions	33x75x64 mm	48x48x98 mm (1/16DIN)	72x72x96 mm
Weight	175 g.	200 g.	270 g.
Connections	2,5 mm ² screw terminal block		
Mounting	Panel Cutout 29x71 mm	Panel Cutout 45x45 mm	Panel Cutout 66,5x66,5 mm
Front panel protection	IP 65 mounted in panel with gasket	IP 54 mounted in panel with gasket	

ELECTRICAL DATA

Power supply	12 VAC/DC, 24, 115, 230 VAC +/-10%		
AC Frequency	50 / 60 Hz		
Power consumption	2 VA approx.		
Battery	External 9 V – E type	Inside 3,6 V - Rechargeable	
Voltage input consumption	1 mA max.		

INPUT DATA

Digital input	2 inputs for free voltage contacts or 2 inputs for voltage signals (same as power supply)		
Input time delay	15 msec. max		

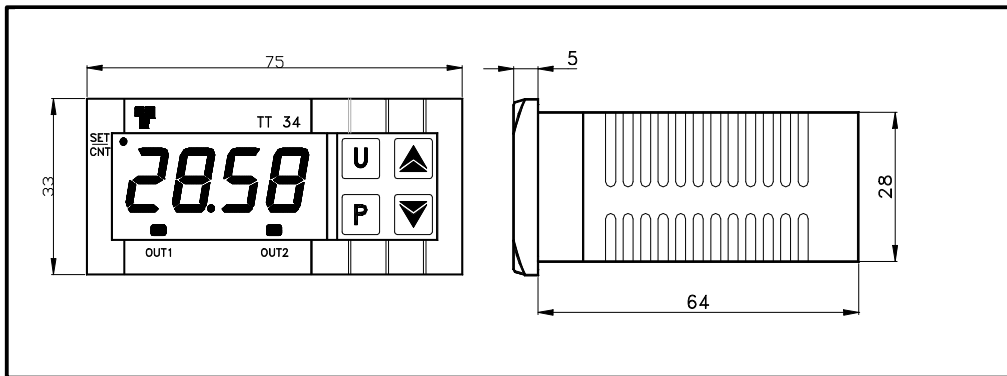
OUTPUT DATA

Relay	Up to 2 outputs SPDT (8 A-AC1, 3 A-AC3 / 250 VAC)		
Relay electric life	100000 operations		
Solid state relay	Up to 2 outputs 12 VDC / 15 mA for SSR driving		

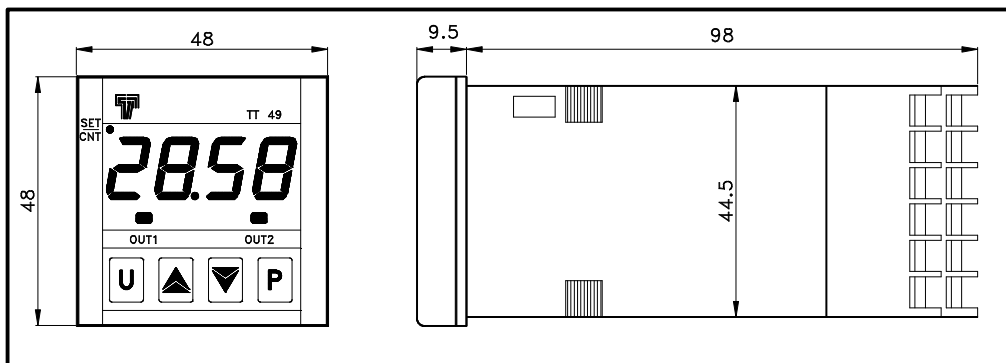
FUNCTIONAL DATA

Programmable functions	OUT1 : Delayed - Feed through - Asymmetrical Oscillator with Start off or Start on - Single cycle Oscillator OUT2 : as OUT1 - as OUT1 but with a second independent time - as OUT1 but with a second relative time		
Programmable time range	9999 hours - 99 hours 59 minutes – 99 minutes 59 seconds – 99 seconds 99 centiseconds		
Counting mode	UP or DOWN		
Display resolution	According to the used scale : Hours – Minutes – Seconds - Centiseconds		
Overall accuracy	+/- 0.1 % full scale		
Counting autonomy in case of power failure	According to the used external battery type	Approximately 10 hrs. with full charged inside battery	
Display	4 red digit h=12 mm		4 red digit h=14 mm
Operating temperature	0...55°C		
Operating humidity	30...95 RH% without condensation		

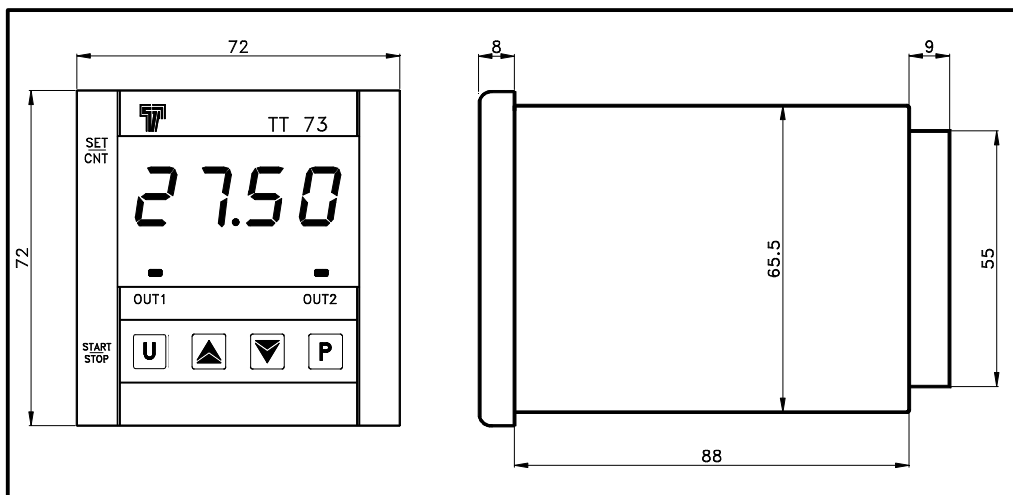
DIMENSIONS (mm)



TT 34

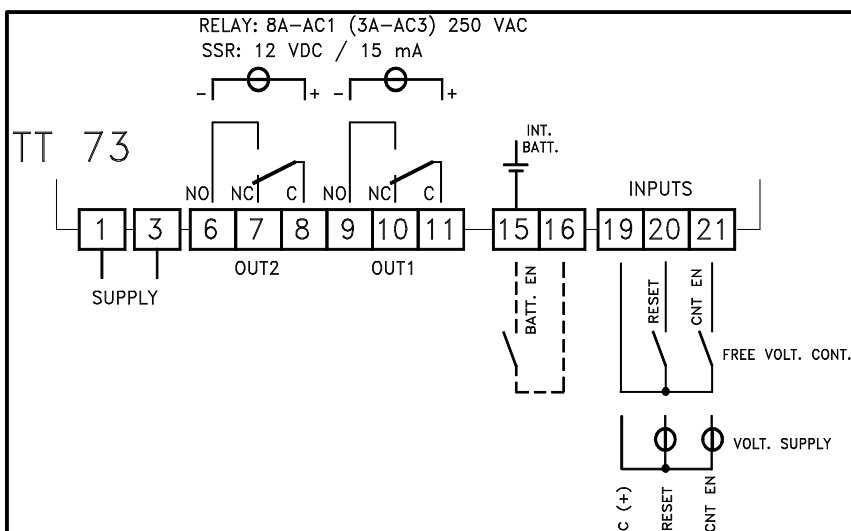
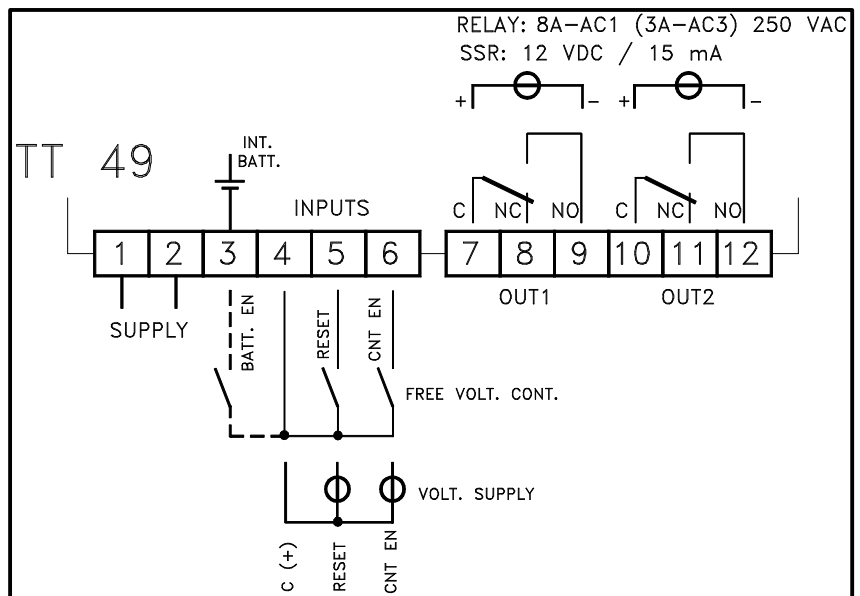
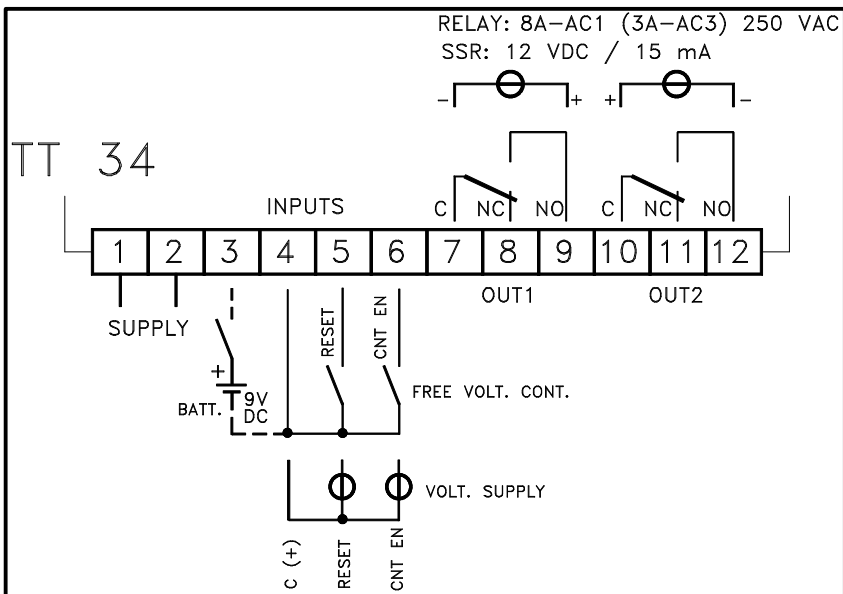


TT 49



TT 73

CONNECTIONS DIAGRAMS





DIGITAL TIMERS

TT

HOW TO ORDER

TT 34		33 x 75	
Description	C o d e s	Codes	Description
Power Supply	F		12 VAC
	A		24 VAC
	C		110 VAC
	D		230 VAC
Inputs	V		Voltage as power supply
	C		Free-voltage contacts
Output OUT1	R		Relay
	O		12 VDC for SSR
Output OUT2	R		Relay
	O		12 VDC for SSR
	-		None



TT 49		48 x 48 (1/16 DIN)	
TT 73		72 x 72	
Description	C o d e s	Codes	Description
Power supply	F		12 VAC
	Y		24 VDC
	A		24 VAC
	C		110 VAC
	D		230 VAC
Inputs	V		Voltage as power supply
	C		Free voltage contacts
Output OUT1	R		Relay
	O		12 VDC for SSR
Output OUT2	R		Relay
	O		12 VDC for SSR
	-		None
Battery	B		With battery
	-		Without battery