

Temperature regulators for refrigeration



- **33x65 mm**
- **230 VAC**
- **Relay 16A**



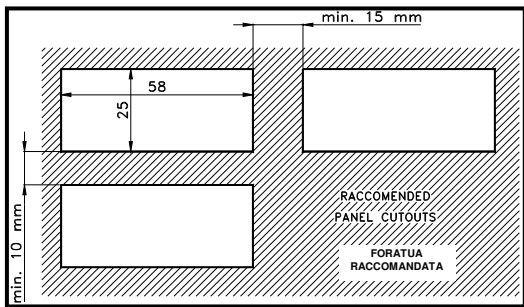
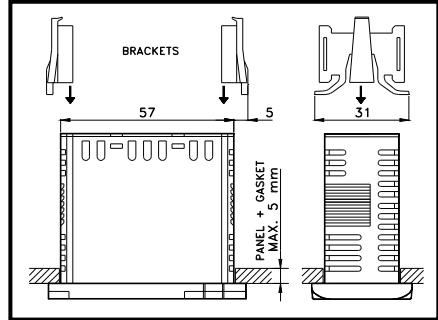
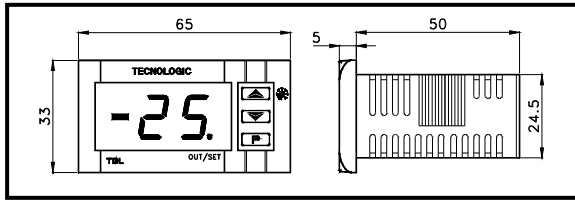
E51A



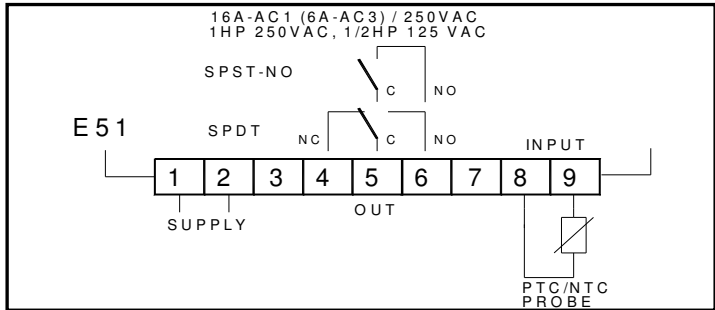
E51

MECHANICAL CHARACTERISTICS	
Housing	Self-extinguishing plastic, UL 94 V0
Dimensions	33x65 mm - depth 50 mm
Weight	105 g approx.
Connections	2,5 mm ² screw terminal block
Mounting	Flush in panel in 25x58 mm hole
Front panel protection	IP 65 mounted in panel with gasket
ELECTRICAL DATA	
Power supply	12, VAC/DC, 115,230 VAC +/-10%
AC Frequency	50 / 60 Hz
Power consumption	3 VA approx.
INPUT DATA	
Thermistor	NTC 103AT-2 (10 kΩ at 25°C) or PTC KTY 81-121 (990 Ω at 25°C)
OUTPUT DATA	
Relay	1 x SPDT 16A-AC1 (6A-AC3) / 250 VAC relay or 1 x SPST-NO 16A-AC1 (6A-AC3) / 250 VAC relay
Relay electrical life	100000 operations for 16A SPST-NO relay 50000 operations for 16A SPDT relay
FUNCTIONAL DATA	
Control	ON/OFF
Overall accuracy	+/- 0,5% full scale + 1 digit
Display resolution	0,1° or 1°
Measurement range	NTC -50...+109°C , PTC -50...+150°C
Measurement Unit	°C - °F, programmable
Sampling rate	130 ms
Display	3 red digit h=14 mm
Defrost control	-- Automatic at time intervals, by stopping compressor or Manual
Operating temperature	0...50°C
Operating humidity	30...95 RH% without condensation

DIMENSIONS (mm)



CONNECTIONS



CODING

E51A	33 x 65	
E51		
Description	Codes	Codes Description
Power supply	F	12 VAC/DC
	C	115 VAC
	D	230 VAC
Input	N	NTC 103AT-2
	P	PTC KTY 81-121
Relay Output	L	SPDT 8 A-AC1
	H	SPST-NO 16 A-AC1