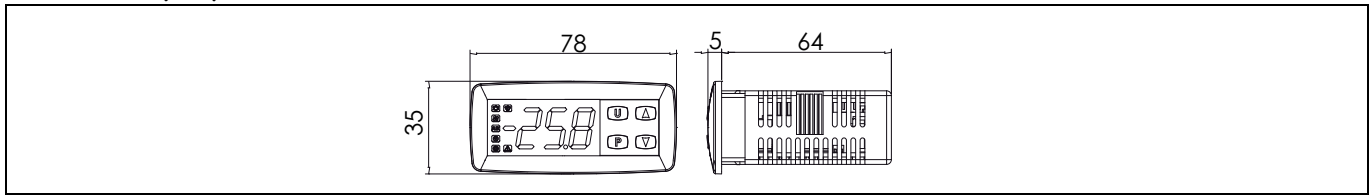


ELZ31 - ELZ31Y TEMPERATURE CONTROLLERS SERIES FOR REFRIGERATION

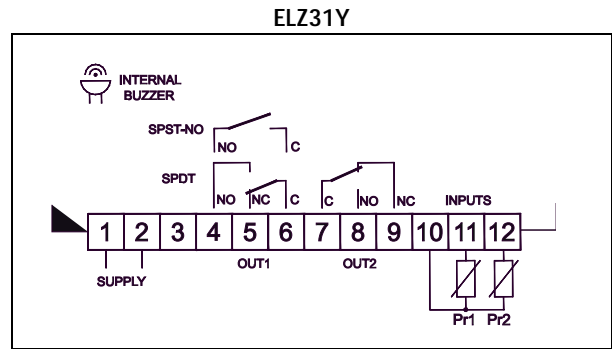
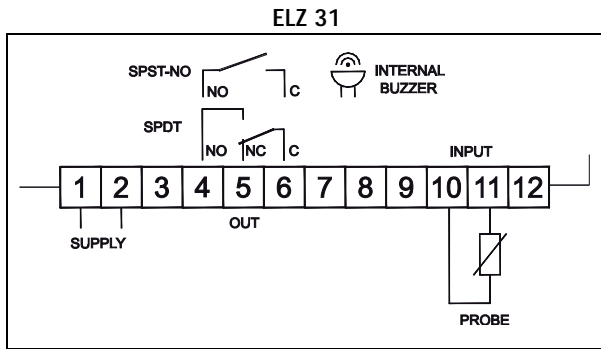

TECHNICAL DATA	ELZ31	ELZ31 Y
ELECTRICAL DATA		
Power supply	12 VAC-VDC, 12...24 VAC-VDC, 100...240 VAC +/- 10% (50/60 Hz)	
Power consumption	4 VA approx.	
AC Frequency	50 / 60 Hz	
INPUT DATA		
Thermistors	Programmable input for PTC KTY 81-121 (990 Ω at 25°C) or NTC 103AT-2 (10k Ω at 25°C)	
Digital input		1 for free voltage contact
OUTPUT DATA		
Relay	1 relay output SPST or SPDT - NO 16A - 1HP 250 VAC, 1/2 HP 125 VAC AC1,6A-AC3/250 VAC	Up to 2 relay outputs OUT 1: SPDT o SPST-NO (16 A - 1HP 250 V, 1/2 HP 125 VAC) OUT 2: SPDT (5 A - 1/2 HP 250 VAC, 1/3 HP 125 VAC)
Relay electric life	100,000 operations	
FUNCTIONAL DATA		
Controllo - Control	ON/OFF	
Overall accuracy	+/-0,5% f.s +1 digit	
Defrost control	At interval time by stopping compressor	At intervals time, at reaching temperature by stopping compressor, by electrical heating or hot gas/reverse cycle
Acoustic alarm	Internal Buzzer (optional)	
Ambient operating temperature	0...50°C	
Ambient storage temperature	-25...60°C	
Ambient operating humidity	30...95 RH% without condensation	
MECHANICAL CHARACTERISTICS		
Housing	Self-extinguishing plastic, UL 94 V0	
Dimensions	78 x 35 mm - depth 64 mm	
Weight	120 g approx.	
Connections	2,5 mm ² screw terminal block	
Mounting	Flush in panel in 71 x 29 mm hole	
Front panel protection	IP 65 mounted in panel with gasket	



DIMENSIONS (mm)



WIRING DIAGRAMS

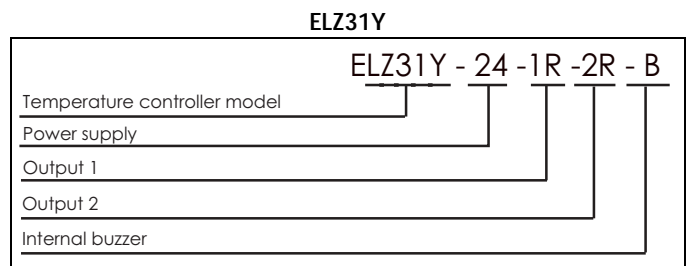
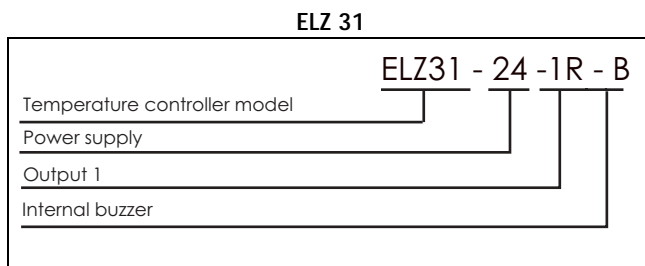


CODING

ELZ31		
Description	Codes	Code Description
Power supply	12	12 VAC/DC
	24	12...24 VAC/DC
	240	100..240 VAC
Output OUT 1	R	Relay SPST-NO 16A AC1
	1R	Relay SPDT 16A AC1
Buzzer	B	Internal Buzzer
	-	None

ELZ31Y		
Description	Codes	Code Description
Power supply	12	12 VAC/DC
	24	12...24 VAC/DC
	240	100..240 VAC
Output OUT 1	R	Relay SPST-NO 16 A AC1
	1R	Relay SPDT 16 A AC1
Output OUT 2	2R	Relay SPDT 5 A AC1
	-	None
Buzzer	B	Internal Buzzer
	-	None

EXAMPLES OF CODES' COMPOSITION



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