

**ELK 22 S SERIES**

	ELK 22 S
	TECHNICAL DATA
	ELECTRICAL DATA
Power supply	24 VAC/VDC, 100...240 VAC +/-10%
Power consumption	8 VA approx
AC Frequency	50 / 60 Hz
	INPUT DATA
Universal input	Thermocouples J, K - Thermoresistors Pt100 2/3 wires Thermoresistors PTC KTY81-121 - NTC 103AT-2
	CARATTERISTICHE USCITE - OUTPUT DATA
Relay	Up to 2 outputs: 1 output SPDT and 1 output SPST-NO (6A AC1 / 250 VAC)
Relay electric life	100000 operations
Control voltage for SSR	Up to 2 outputs, 20 mA / 10 VDC with short circuit protection
	CARATTERISTICHE FUNZIONALI - FUNCTIONAL DATA
Control	ON/OFF, PID a singola azione ON/OFF, Neutral Zone, PID single action
Overall accuracy	+/-0.5% fondo scala +/-0.5% full scale
Display resolution	According to the used probe 1/0.1/
Measurement range	According to the used probe and to the measurement unit
Cold junction compensation drift	0,04 °C with operating temperature from 0 to 50 °C after warm-up time of 20 minutes
Sampling rate	8 samples per second
Display	4 red digits h=12 mm + 4 green digits h=7 mm
Parameters access	Protected by password
Fast parameters programming	By RS485 ModBus or keyboard
Operating temperature	0...50°C
Operating humidity	30...95 RH% without condensation



	CARATTERISTICHE MECCANICHE - MECHANICAL CHARACTERISTICS
Housing	Self-extinguishing plastic, UL 94 V0
Dimensions	49.5 x 49.5 mm - depth 108 mm
Connections	2.5 mm ² plug screw terminal block
Mounting	Flush in panel in 22 or 45 x 45 mm hole
Front panel protection	IP 64 mounted in panel with gasket

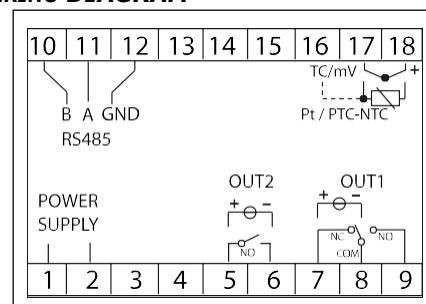
CODING

	ELK 22 S	
Descrizione Description	Codici Codes	Descrizione Codici Codes Description
Power supply	240	100..240 VAC
	24	24 VAC/DC
Main output OUT 1	R	Relay SPDT 6 A (Resistive Load)
	S	VDC for SSR (12 VDC max / 20 mA ± 10%)
Second output OUT 2	2R	Relay SPST 6 A (Resistive Load)
	2S	VDC per SSR / VDC for SSR (12 VDC max / 20 mA ± 10%)
	-	None
Serial communication	-	None
	S	RS485 ModBus

EXAMPLES OF CODES' COMPOSITION

	ELK22S -24-R-2R-S
Controller model	
Power supply	
Output 1	
Output 2	
Serial communication	

WIRING DIAGRAM



DIMENSIONI - DIMENSIONS

