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
	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
	FUNCTIONAL DATA
Control	ON/OFF, Neutral Zone, PID single action
Overall accuracy	+/-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

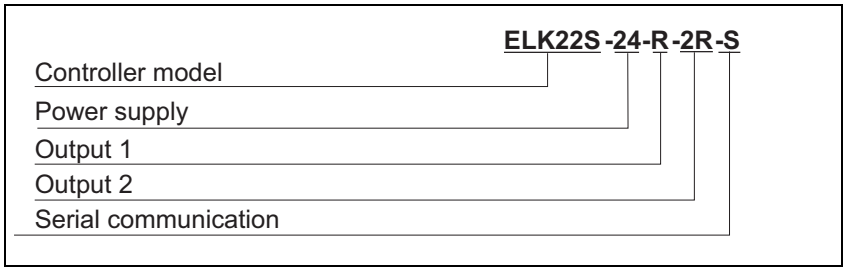
Rev. 03-2020

	MECHANICAL CHARACTERISTICS
Housing	*Self-extinguishing plastic, UL 94 V0*
Dimensions	*49.5 x 49.5 mm - depth 108 mm*
Connections	*2.5 mm² 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*

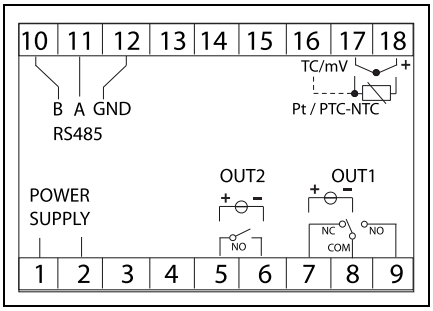
CODING

	ELK 22 S	
Description	**Codes**	**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 for SSR* (12 VDC max / 20 mA ± 10%)
	-	*None*
Seiral communication	-	*None*
	S	RS485 ModBus

EXAMPLES OF CODES' COMPOSITION



WIRING DIAGRAM



DIMENSIONS