

**ELK22 MS SERIES**

Possibility to connect up to 16 ELK 22 MS with the connecting cable FT6-20



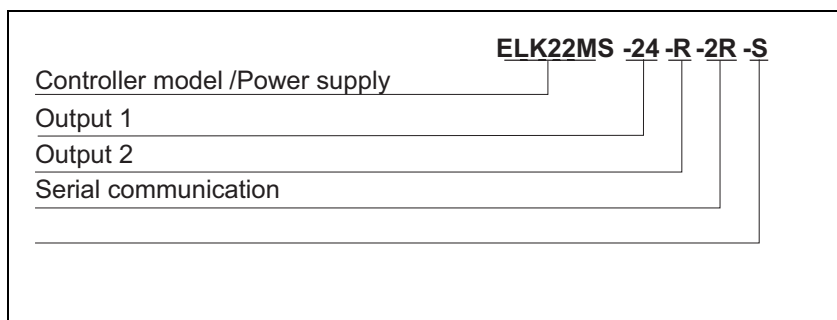
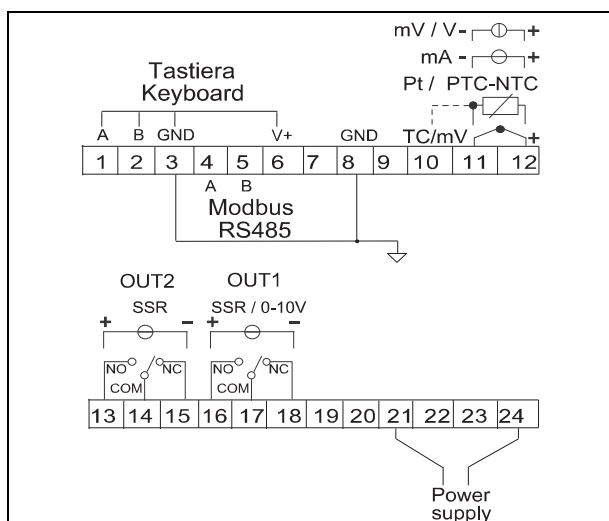
	ELK 22 MS
	TECHNICAL DATA
	ELECTRICAL DATA
Power supply	24 VAC/VDC, 100...240 VAC +/-10%
Power consumption	6 VA circa - 6 VA approx
AC Frequency	50 / 60 Hz
	INPUT DATA
Universal input	Thermocouples J, K - Thermoresistors Pt100 2/3 wires Thermoresistors PTC KTY81-121 - NTC 103AT-2 - Linear signals 0/10 V - 0/4-20 mA
Normalized signals input impedance	For input 0/4-20 mA: 51Ω - For mV and V input: 1 MΩ
	OUTPUT DATA
Relay	Up to 2 outputs: 2 outputs SPDT (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
Auxiliary power supply output	16 VDC / 20 mA max. only for instruments with 12 VAC/DC as power supply (OUT 5)
	FUNCTIONAL DATA
Control	ON/OFF, 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	1 led power supply + 4 led output status
Parameters access	Protected by password
Fast parameters programming	By RS485 ModBus or by ELK22 DKP
Operating temperature	0...50°C
Operating humidity	- 30...95 RH% without condensation



	MECHANICAL CHARACTERISTICS
Housing	Self-extinguishing plastic, UL 94 V0
Dimensions	35 x 98 x 64 mm 4 DIN rail modules
Connections	2.5 mm ² screw terminal block
Mounting	DIN Omega rail
Front panel protection	IP20

CODING

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

EXAMPLES OF CODES' COMPOSITION**WIRING DIAGRAM****DIMENSIONS**