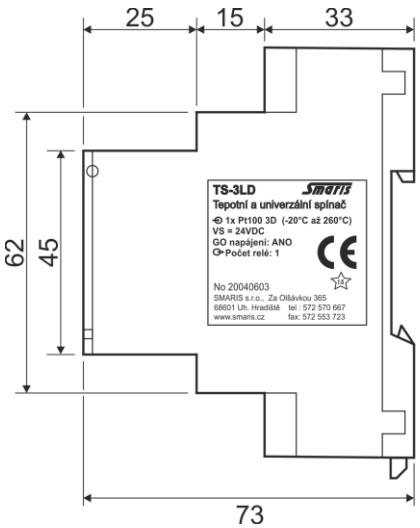
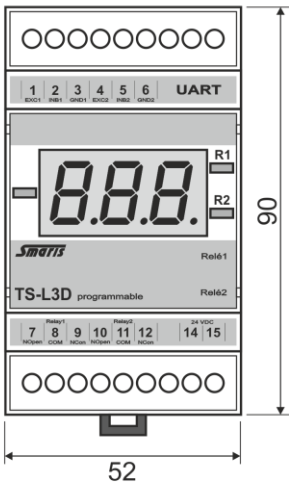
TS-L3D SERIES TEMPERATURE SWITCHES

- Microprocessor technology enables additional customer functions (window comparisons, temperature difference)
- Complete range of switches for 1 to 2 inputs with one to two switching relays
- Switching adjustment made via programming or by buttons
- Possible input sensors – Pt100, Pt1000, Ni1000, 0-20 mA, 4-20 mA, 0-5 V, 0-10 V, others upon request





TECHNICAL DATA

Supply voltage	230 VAC 50 Hz or 24 VDC
Input signal	Pt100, Pt1000 (3850), Ni100, Ni1000 (6180, 5000), 0 to 20 mA, 4 to 20 mA, 0 to 5 V, 0 to 10 V
Temperature dependencies	0,05 %/10 °C (ČSN IEC 770)
Long-term stability and switch drift	0,02 %/500 hours
Ambient operating temperature	-25 °C to 60 °C
Relative humidity	<80 % non-condensing
Linearization	implemented via programming
Hysteresis	optional via programming or at the time of ordering
Protection	IP 20 to IP 54
Safety	ČSN EN 61010-1
Immunity to interference	ČSN EN 61326-3-1

- 24 VDC or 230 VAC power supply. This version has one input and one relay; two differential inputs and one relay; two separate inputs and two relays. The input settings are set by the manufacturer. Hysteresis adjustable via programming. Can be supplied with a window comparison fuction.

ORDERING

Type						
TS-L3D	TS-L3D temperature and universal switch for a DIN rail with display					
	Code	Power supply voltage				
	24 230	24 VDC or 24 VAC 230 VAC				
		Code 1 2	Number of inputs 1 input 2 inputs			
			Code 1 2 3 4 5 6 7 8 9 S	Input type Pt100 Pt1000 Ni100 Ni1000 0...5V 0...10V 4...20mA 0...20mA Resistance difference Special		
				Code DM / HM	Bottom limit / Upper limit e.g. -20/260°C	
					Code R1 R2A R2B	Number of relays and control 1 relay – control from input 1 2 relays – both controlled from input 1 2 relays – relay 1 controlled from input 1 - relay 2 controlled from input 2
TS-L3D	24	1	1	-20/260°C	R1	Sample order

- Example order: a temperature switch and universal switch for a DIN rail with display (TS-L3D), 24 VDC power supply, one input, Pt100 input sensor, measuring range -20 to 260 °C, one relay controlled from input 1.