

EAN code TER-3E: 8595188138437 TER-3F: 8595188138444

Function: Single I verl Supply terminals: A1-A2 Voltage range: AC/DC 24 - 240 V (AC 50-60 Hz) Burden: max. 2 Va/1 W Max. dissipated power (Un + terminals): 2.5 W Supply voltage tolerance: 15 %; +10 % Measuring circuit Measuring terminals: T1 - T1 x Temperature range: 0 to +60 °C/(32 °F to 140 °F) Hysteresis: fixed 1 °C/(1.8 °F) Sensor: thermistor NTC in-built Sensor fault indic. (short-circuit/disconnection): flashing red LED Accuracy Setting accuracy (mech.): 5 % Switching difference: 0.5 °C (0.9 °F) Temperature dependance: 0.5 °C (0.9 °F) Temperature dependance: 1 x NO - SPST (AgSnO_3) Current rating: 16 A/AC1, 10 A/24 V DC Breaking capacity: 4000 VA/AC1, 300 W/DC Switching voltage: 250 V AC/24 V DC Output indication: red LED Mechanical life: 10.000.000 ops. Electrical life (AC1): 100.000 ops. Other information -20 °C to 55 °C (-22 °F to 158 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F) Storage temperature: -30 °C to 55 °C (-4 °F to 131 °F) Operating position: DIN rail EN 60715 Mounting: IP40 from front pa—Ir/ P10 terminals Protection degree: III. Overvoltage category: 2 Pollution degree: Sili x 2.5 or 2x 1.5 (AWG 12) 90 x 17.6 x 64 mm (3.5 ° x 0.7 ° x 2.5 °) Dimensions: 90 x 17.6 x 64 mm Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)	Technical parameters	TER-3E	TER-3F	
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Temperature range: 0 to +60 °C/(32 °F to 140 °F) Hysteresis: fixed 1 °C/(1.8 °F) Sensor: thermistor NTC in-built Sensor fault indic. (short-circuit/disconnection): flashing red LED Accuracy Setting accuracy (mech.): 5 % Switching difference: 0.5 °C (0.9 °F) Temperature dependance: < 0.1 %/°C (°F)	Measuring circuit			
Hysteresis: Sensor: thermistor NTC in-built Sensor fault indic. (short-circuit/disconnection): Setting accuracy (mech.): Switching difference: Coutput Number of contacts: Sreaking capacity: Switching voltage: Coutput indication: Mechanical life: Electrical life (AC1): Doperating temperature: Coperating temperature: Coperating position: Dielectrical strength: Covervoltage category: Pollution degree: Max. cable size (mm²): Sensor: Ithermistor NTC in-built In-bui	Measuring terminals:	T1 - T1	х	
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Sensor fault indic. (short-circuit/disconnection): Accuracy Setting accuracy (mech.): Switching difference: 0.5 °C (0.9 °F) Temperature dependance: Voutput Number of contacts: 1x NO - SPST (AgSnO_2) Current rating: 16 A/AC1,10 A/24 V DC Breaking capacity: 4000 VA/AC1, 300 W/DC Switching voltage: 250 V AC/24 V DC Output indication: red LED Mechanical life: 10.000.000 ops. Electrical life (AC1): 100.000 ops. Other information -20 °C to 55 °C (-4 °F to 131 °F) Operating temperature: 2.5 kV (supply - output) Dielectrical strength: any Operating position: DIN rail EN 60715 Mounting: Protection degree: Ill. Overvoltage category: 2 Pollution degree: Max. cable size (mm²): with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12) 90 x 17.6 x 64 mm Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)	Hysteresis:	fixed 1 °C/(1.8 °F)		
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Mechanical life: 10.000.000 ops. Electrical life (AC1): 100.000 ops. Other information -20 °C to 55 °C (-4 °F to 131 °F) Operating temperature: -30 °C to 70 °C (-22 °F to 158 °F) Storage temperature: 2.5 kV (supply - output) Dielectrical strength: any Operating position: DIN rail EN 60715 Mounting: IP40 from front panel/IP10 terminals Protection degree: III. Overvoltage category: 2 Pollution degree: solid wire max. 2x 2.5 or 1x 4 Max. cable size (mm²): with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12) 90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5") Dimensions: 90 x 17.6 x 64 mm Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)	Switching voltage:	250 V AC/24 V DC		
Electrical life (AC1): 100.000 ops. Other information -20 °C to 55 °C (-4 °F to 131 °F) Operating temperature: -30 °C to 70 °C (-22 °F to 158 °F) Storage temperature: 2.5 kV (supply - output) Dielectrical strength: any Operating position: DIN rail EN 60715 Mounting: IP40 from front panel/IP10 terminals Protection degree: III. Overvoltage category: 2 Pollution degree: solid wire max. 2x 2.5 or 1x 4 Max. cable size (mm²): with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12) 90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5") Dimensions: 90 x 17.6 x 64 mm Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)	Output indication:	red LED		
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Overvoltage category: 2 Pollution degree: solid wire max. 2x 2.5 or 1x 4 Max. cable size (mm²): with sleeve max. 1x 2.5 or 2x 1.5 (AWG 12) 90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5") Dimensions: 90 x 17.6 x 64 mm Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)	Mounting:	IP40 from front panel/IP10 terminals		
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Weight: 64 g (2.3 oz.) 60 g (2.1 oz.)		90 x 17.6 x 64 mn	n (3.5" x 0.7" x 2.5")	
	Dimensions:	90 x 17.6	90 x 17.6 x 64 mm	
Standards: EN 60255-1, EN 60255-26, EN 60255-27, IEC 60730-2-9	Weight:	64 g (2.3 oz.)	60 g (2.1 oz.)	
	Standards:	EN 60255-1, EN 60255-26,	EN 60255-27, IEC 60730-2-9	

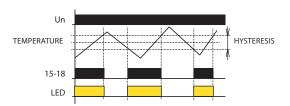
Example of an order

Please specify a type of thermostat in your order (TER-3E, TER-3F).

- • Single thermostat for temperature monitoring and regulation in range 0 to +60 °C (32 °F to 140 °F).
- It can be used for temperature monitoring e.g. in switchboards, heating systems, liquids, radiators, motors, devices, open spaces, etc.
- Fixed hysteresis at 1 °C/(1.8 °F).
- TER-3E: choice of external temperature sensors with double insulation in standard lengths 3 (9.8′), 6 (19.7′) and 12 m (39.4′).
- TER-3F: sensor is a part of device, serves for monitoring temperature in a switchboard.

Description Supply voltage terminals Supply voltage terminals T1 T1 External sensor terminal (T1) Output indication Output indication Supply voltage indication Supply voltage indication 10 80 % Temperature adjusting Temperature adjusting Senzor Output contacts Output contacts (15-18)

Function



It is a single thermostat for temperature monitoring with separated sensor (except for TER-3F). Device is located in a switchboard and external sensor senses temperature of required space, object or liquid. Supply is not galvanically separated from sensor but sensor is double insulated. Maximal length of sensor cable is 12 m (39.4'). Temperature sensing is decreased by set hysteresis. When installing it is necessary to keep in mind that hysteresis is increased by temperature gradient between sensor's jacket and thermistor.

