ACT20P
ACT20P-TMR-RTI-S

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Product image





ACT20P: The flexible solution

- Precise and highly functional signal converters
- Simple configuration via display (Pro DCDC II), FDT/ DTM software or DIP switch
- Release levers simplify handling
- More space in the control cabinet, from 12.5 mm wide for two channels

General ordering data

Type	ACT20P-TMR-RTI-S
Order No.	7760054305
Version	Limit value monitoring, Input: temperature (RTD), Relay output
GTIN (EAN)	6944169747311
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	22.5 mm	Width (inches)	0.886 inch
Height	117 mm	Height (inches)	4.606 inch
Depth	114.3 mm	Depth (inches)	4.5 inch
Net weight	110 g		

Temperatures

Humidity	5-95% relative humidity, T_u = 40°C, without condensation	Operating temperature, max.	65 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-25 °C...65 °C
Storage temperature	-40 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Input

Number of inputs	1	Sensor	PT100 / 2-/3-/4-wire, PTC: 0...4 kΩ
Temperature input range	Configurable, PT100: -200°C...850 °C		

General data

Accuracy	0.2% FSR, ≤ 2 °C (PT100), ≤ 8 Ω (PTC)	Configuration	With FDT/DTM software
Galvanic isolation	3-way isolator, between input / output / supply	Power consumption	≤ 100 mA @ 24 VDC, ≤ 120mA @ 24V AC
Rail	TS 35	Step response time	≤ 500 ms
Temperature coefficient	≤ 100 ppm/K	Voltage supply	20...264 VUC

Insulation coordination

EMC standards	IEC 61326-1	Galvanic isolation	3-way isolator, between input / output / supply
Impulse withstand voltage	4 kV (1.2/50 µs)	Insulation voltage	2 kV (Input /Output), 1 min, 50 Hz
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

Output (digital)

Alarm function	Alarm range: -200... 850 °C, Top and bottom limit values, window range, Hysteresis: 2 °C (adjustable), Alarm delay: 0...10 s	Number of digital outputs	2
Type	2 x 1 - or 1 x 2 changeover contact relay	Max. switching voltage, DC	30 V
Max. switching voltage, AC	250 V	Rated switching current	5 A

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Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	1.5 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Classifications

ETIM 6.0	EC002919	eClass 9.0	27-21-01-29
eClass 9.1	27-21-01-29		

Product information

Product information	The ACT20P-TMR-RTI-S device records temperature sensor signals (Pt100, PTC). It has two independent relay outputs which emit an alarm when levels exceed or fall below pre-set temperature limits. Features • Configuration and monitoring are performed via FDT/DTM-Software „WI-Manager“. • Operational status and relay status indicated by front panel LEDs. • 4-way galvanic isolation between input, output and power supply.

Approvals

Approvals	
ROHS	Conform

Downloads

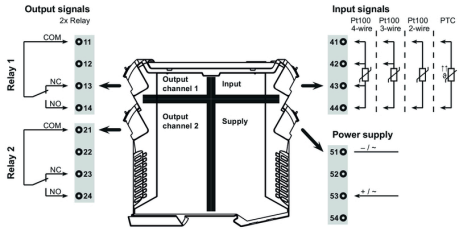
Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
Software	WI-Manager, DTM-Library for online installation V.1.2.0
User Documentation	Instruction sheet

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Drawings

Connection diagram



Dimensioned drawing

