

## ACT20P ACT20P-TMR-RTI-S

**Weidmüller Interface GmbH & Co. KG**  
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### 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.	<a href="#">7760054305</a>
Version	Temperature converter, Limit value monitoring, Input: temperature (RTD), Screw connection
GTIN (EAN)	6944 169747311
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% rel. humidity, $T_u = 40^\circ\text{C}$ , no condensation	Operating temperature	-25 °C...65 °C
Storage temperature	-40 °C...85 °C		

**Input**

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

**Output**

Number of outputs	2		
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**General data**

Accuracy	0.2% FSR, $\leq 2^\circ\text{C}$ (PT100), $\leq 8\ \Omega$ (PTC)	Configuration	With FDT/DTM software
Galvanic isolation	3-way isolator, between input/output/supply	Mounting rail	TS 35
Power consumption	$\leq 100\ \text{mA}$ @ 24 VDC, $\leq 120\ \text{mA}$ @ 24V AC	Step response time	$\leq 500\ \text{ms}$
Supply voltage	20...264 VUC	Temperature coefficient	$\leq 100\ \text{ppm/K}$

**Insulation coordination**

EMC standards	IEC 61326-1	Galvanic isolation	3-way isolator, between input/output/supply
Impulse withstand voltage	4 kV (1.2/50 $\mu\text{s}$ )	Insulation voltage	2 kV (Input/Output), 1 min, 50 Hz
Pollution severity	2	Rated voltage	300 V
Standards	IEC 61010-1	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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**Technical data**

**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 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

**Classifications**

ETIM 6.0	EC002919	eClass 9.1	27-21-01-29
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**Product information**

Descriptive text accessories	CBX 200
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**Approvals**

Approvals



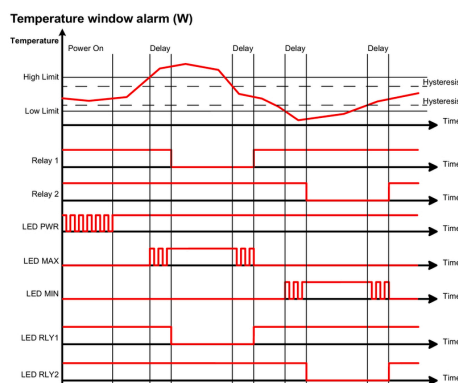
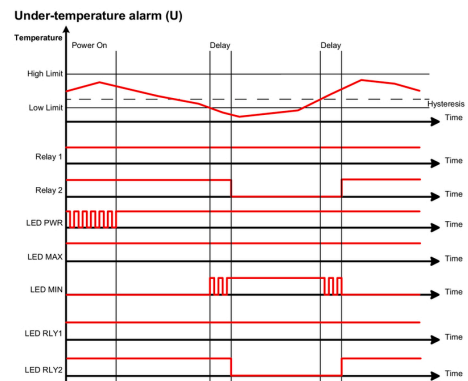
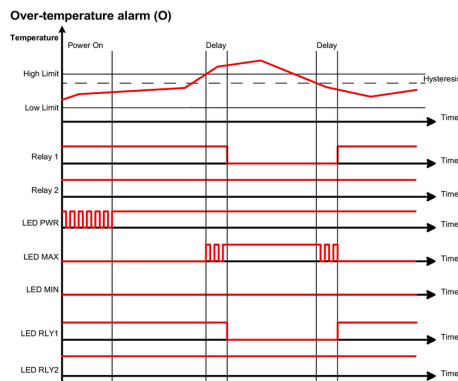
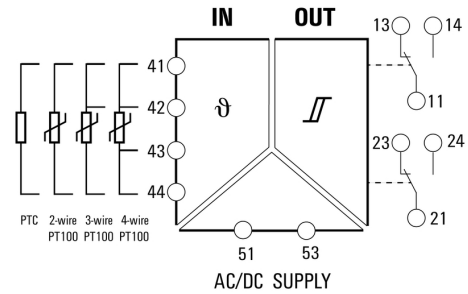
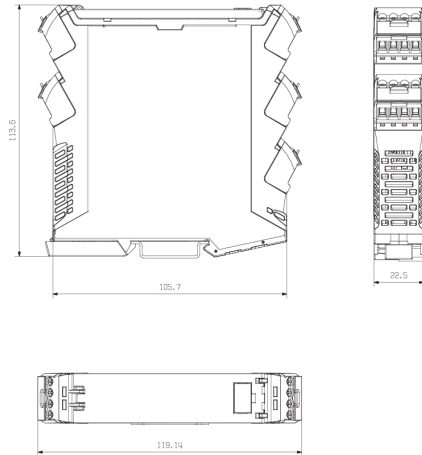
**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">EPLAN</a>
Engineering Data	<a href="#">STEP</a>
Software	<a href="#">WI-Manager, DTM-Library for online installation</a>
User Documentation	<a href="#">IS ACT20P-TMR-RTI-S</a>

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**Drawings**



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