

## ACT20P ACT20P-TMR-RTI-S

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Fon: +49 5231 14-0  
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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	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% rel. humidity, $T_u = 40^\circ\text{C}$ , no 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		

**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		

**General data**

Accuracy	0.2% FSR, $\leq 2^\circ\text{C}$ (PT100), $\leq 8^\circ\text{C}$ (PTC)	Configuration	With FDT/DTM software
Galvanic isolation	3-way isolator, between input / output / supply	Mounting rail	TS 35
Power consumption	$\leq 100\text{ mA @ }24\text{ VDC}$ , $\leq 120\text{ mA @ }24\text{ V AC}$	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
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

**Data sheet**

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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, min.	0.5 mm <sup>2</sup>	Clamping range, 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**

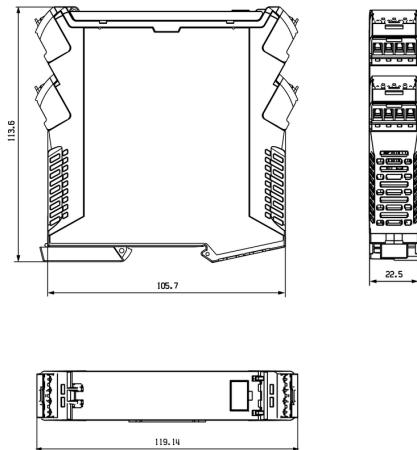
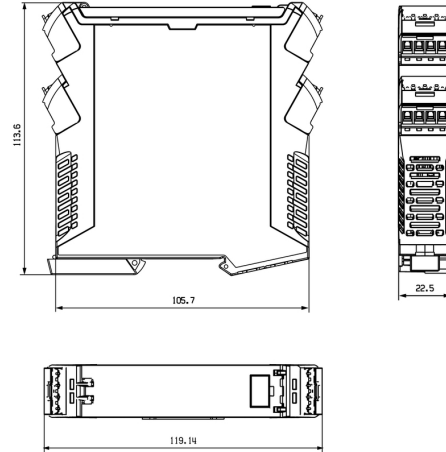
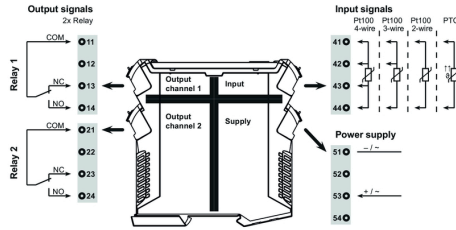
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">EPLAN</a>
Engineering Data	<a href="#">STEP</a>
Software	<a href="#">WI-Manager, DTM-Library for online installation</a>
User Documentation	<a href="#">Instruction sheet</a>

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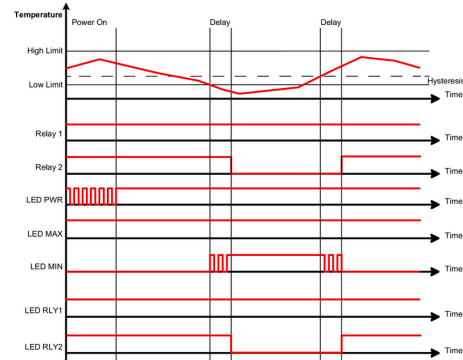
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**Drawings**

**Dimensioned drawing**



**Under-temperature alarm (U)**



**Temperature window alarm (W)**

