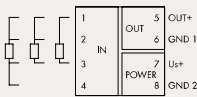
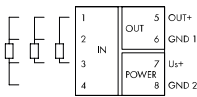
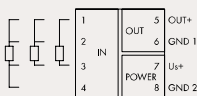
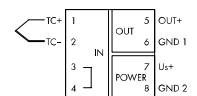
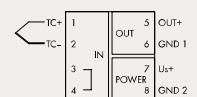
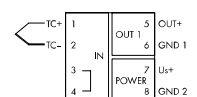
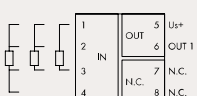
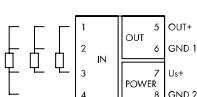
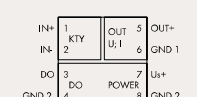
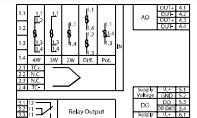
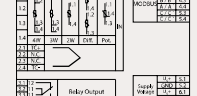


WAGO Temperature Signal Conditioners

Selection Guide

3

Image	Description	Circuit Diagram	Input Signal	Sensor Connection	Power Supply U_s
Temperature Signal Conditioners					
	Temperature Signal Conditioner; for Pt and Resistance Sensors		Pt sensors: Pt100, Pt200, Pt500, Pt1000; Resistance sensors: 0 ... 1 k Ω ; 0 ... 4.5 k Ω	2-, 3-, 4-wire connection	24 VDC
	Temperature Signal Conditioner; for Pt and Resistance Sensors		Pt sensors: Pt100, Pt200, Pt500, Pt1000; Resistance sensors: 0 ... 1 k Ω ; 0 ... 4.5 k Ω	2-, 3-, 4-wire connection	24 VDC
	Temperature Signal Conditioner; for Pt46 and Cu53 Sensors		Pt46; Cu53	2-, 3-, 4-wire connection	24 VDC
	Temperature Signal Conditioner; for Thermocouples		Thermocouples: Type J, K		24 VDC
	Temperature Signal Conditioner; for Thermocouples		Thermocouples: Type J, K, E, R, N, S, T, B, S		24 VDC
	Temperature Signal Conditioner; for Thermocouples		Thermocouples: Type K, S, B, R		24 VDC
	Loop-Powered RTD Temperature Signal Conditioner		Pt sensors: Pt100, Pt200, Pt500, Pt1000; Resistance sensors: 0 ... 1 k Ω ; 0 ... 4.5 k Ω	2-, 3-, 4-wire connection	via output circuit
	Temperature Signal Conditioner; for Ni Sensors		Ni sensors: Ni100, Ni120, Ni200, Ni500, Ni1000	2-, 3-, 4-wire connection	24 VDC
	Temperature Signal Conditioner; for KTY Sensors		KTY sensors	2-wire connection	24 VDC
	RTD/TC Temperature Signal Conditioner; Analog		RTD sensors; Potentiometers; Resistors; Thermocouples	2-, 3-, 4-wire connection; Differential measurement; Potentiometer	9.6 ... 31.2 VDC
	RTD/TC Temperature Signal Conditioner; Serial		RTD sensors; Potentiometers; Resistors; Thermocouples	2-, 3-, 4-wire connection; Differential measurement; Potentiometer	9.6 ... 31.2 VDC

Sensor Temperature Range	Output Signal			Configuration	Specialty Functions	Item No.	Page
	Current	Voltage	RS-485				
-200 ... +850 °C	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch	Clipping	857-800	298
-200 ... +850 °C	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch; Configuration software/app	Clipping	857-801	300
-200 ... +300 °C (Pt46) 0 ... +180 °C (Cu53)	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch		857-808	302
Type J: -150 ... +1200 °C; Type K: -150 ... +1350 °C	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch	Clipping	857-810	304
Type J: -150 ... +1200 °C; Type K: -150 ... +1350 °C	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch; Configuration software/app	Clipping	857-811	306
Type K: -150 ... +1200 °C; Type S: 0 ... +1600 °C; Type B: 600 ... +1800 °C; Type R: 0 ... +1600 °C	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch		857-812	308
-200 ... +850 °C	4 ... 20 mA 20 ... 4 mA			DIP switch		857-815	310
	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch	Clipping	857-818	316
	0 ... 10 mA 2 ... 10 mA 0 ... 20 mA 4 ... 20 mA	0 ... 5 V 1 ... 5 V 0 ... 10 V 2 ... 10 V		DIP switch	Digital output (DO); Clipping	857-820	318
-200 ... +850 °C; 0 ... 10 kΩ; Type J: -210 ... +1200 °C; Type K: -200 ... +1372 °C	-24 ... +24 mA (load impedance ≤ 600 Ω)	-12 ... +12 V (load impedance ≥ 2 kΩ)		Configuration software/ display	Digital output DO; Relay with 1 changeover contact (250 VAC / 6 A); Simulation	2857-535	312
-200 ... +850 °C; 0 ... 10 kΩ; Type J: -210 ... +1200 °C; Type K: -200 ... +1372 °C			Modbus RTU	Configuration software/ display; Rotary encoder switch	Relay with 1 changeover con- tact (250 VAC / 6 A); Simulation	2857-535/ 000-001	314