

Temperature signal converter for RTD sensors CC-E/RTD

Signal converters
& Isolators



CC-E/RTD

- ① Gain adjustment
- ② Offset adjustment
- ③ U: green LED - supply voltage
- ④ DIP switch for input and output configuration (only available on universal devices)

CC-E/RTD temperature signal converter for RTD sensors, linearized with 3-way electrical isolation

- 2 universally configurable devices (type CC-E/RTD)
- 2x12 single-function devices
- "Plug and Work", no adjustment of single-function devices required
- Temperature signal converter for PT100 sensors
- 2- or 3-wire connection

Type	Input signal	Output signal	Order code	Pack. unit piece
------	--------------	---------------	------------	------------------

Supply voltage: 24 V DC universal

CC-E/RTD	refer to table	0-10 V, 0-20 mA, 4-20 mA	1SVR 011 701 R2500 ¹⁾	1
----------	----------------	--------------------------	----------------------------------	---

single-function

CC-E RTD/V	PT100	0-10 V	1SVR 011 730 R2500	1
CC-E RTD/I	0...100 °C	0-20 mA	1SVR 011 731 R1200	1
CC-E RTD/I		4-20 mA	1SVR 011 732 R1300	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 733 R1400	1
CC-E RTD/I	-50...+50 °C	0-20 mA	1SVR 011 734 R1500	1
CC-E RTD/I		4-20 mA	1SVR 011 735 R1600	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 736 R1700	1
CC-E RTD/I	0...300 °C	0-20 mA	1SVR 011 737 R1000	1
CC-E RTD/I		4-20 mA	1SVR 011 738 R2100	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 739 R2200	1
CC-E RTD/I	-50...+250 °C	0-20 mA	1SVR 011 740 R0700	1
CC-E RTD/I		4-20 mA	1SVR 011 741 R2400	1

Supply voltage: 110-240 V AC universal

CC-E/RTD	refer to table	0-10 V, 0-20 mA, 4-20 mA	1SVR 011 706 R2200	1
----------	----------------	--------------------------	--------------------	---

single-function

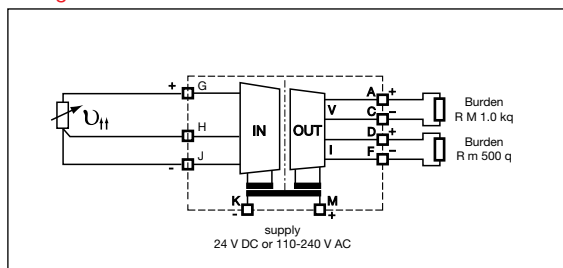
CC-E RTD/V	PT100	0-10 V	1SVR 011 788 R2400	1
CC-E RTD/I	0...100 °C	0-20 mA	1SVR 011 789 R2500	1
CC-E RTD/I		4-20 mA	1SVR 011 790 R2200	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 791 R1700	1
CC-E RTD/I	-50...+50 °C	0-20 mA	1SVR 011 792 R1000	1
CC-E RTD/I		4-20 mA	1SVR 011 793 R1100	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 794 R1200	1
CC-E RTD/I	0...300 °C	0-20 mA	1SVR 011 795 R1300	1
CC-E RTD/I		4-20 mA	1SVR 011 796 R1400	1
CC-E RTD/V	PT100	0-10 V	1SVR 011 797 R1500	1
CC-E RTD/I	-50...+250 °C	0-20 mA	1SVR 011 798 R2600	1
CC-E RTD/I		4-20 mA	1SVR 011 799 R2700	1

DIP switch settings (universal devices)

Input	Output	Switch 1					
		1	2	3	4	5	6
0...100 °C	0...10 V						■
	0-20 mA						■
	4-20 mA						■
0...300 °C	0-10 V						■
	0-20 mA						■
	4-20 mA						■
0...500 °C	0-10 V						■
	0-20 mA						■
	4-20 mA						■
-50...+50 °C	0-10 V						■
	0-20 mA						■
	4-20 mA						■
-50...+250 °C	0-10 V						■
	0-20 mA						■
	4-20 mA						■
-50...+450 °C	0-10 V						■
	0-20 mA						■
	4-20 mA						■
High fail safe		■	■	■	■	■	■
Low fail safe		■	■	■	■	■	■

Legend
■ ON
□ OFF
□ no influence

Wiring instruction



1) 1604 Class I, Div.2 (universal device)