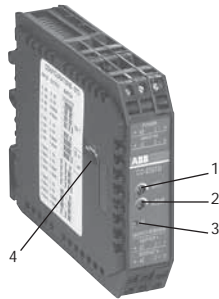


Analog standard signal converters

CC-E/STD, CC-E x/x

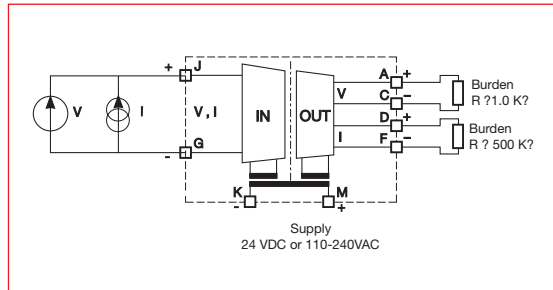


CC-E/STD

- 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/STD analog signal converter with 3-way electrical isolation

- Universally configurable device (type E-STD)
- 10 single-function devices
- "Plug and Play", no adjustment of single-function devices required



DIP switch settings for CC-E/STD (universe)

		1	2	3	4	5	6	7	8
0...5V	0...5V								
0...5V	0...10V								
0...5V	0...20mA								
0...5V	4...20mA								
0...10V	0...5V								
0...10V	0...10V								
0...10V	0...20mA								
0...10V	4...20mA								
0...20mA	0...5V								
0...20mA	0...10V								
0...20mA	0...20mA								
0...20mA	4...20mA								
4...20mA	0...5V								
4...20mA	0...10V								
4...20mA	0...20mA								
4...20mA	4...20mA								

Type	Input signal	Output signal	Order code
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Supply voltage: 24 V DC universal

CC-E/STD	0-5 V, 0-10 V 0-20 mA, 4-20 mA	0-5 V, 0-10 V 0-20 mA, 4-20 mA	1SVR 011 700 R0000①
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single-function

CC-E V/V		0-10 V	1SVR 011 710 R2100
CC-E V/I	0-10 V	0-20 mA	1SVR 011 711 R1600
CC-E V/I		4-20 mA	1SVR 011 712 R1700
CC-E I/V		0-10 V	1SVR 011 713 R1000
CC-E I/I	0-20 mA	0-20 mA	1SVR 011 714 R1100
CC-E I/I		4-20 mA	1SVR 011 715 R1200
CC-E I/V		0-10 V	1SVR 011 716 R1300
CC-E I/I	4-20 mA	0-20 mA	1SVR 011 717 R1400
CC-E I/I		4-20 mA	1SVR 011 718 R2500
CC-E V/V	-10...+10 V	-10...+10 V	1SVR 011 719 R2600

Supply voltage: 110-240 V AC universal

CC-E/STD	0-5 V, 0-10 V 0-20 mA, 4-20 mA	0-5 V, 0-10 V 0-20 mA, 4-20 mA	1SVR 011 705 R2100
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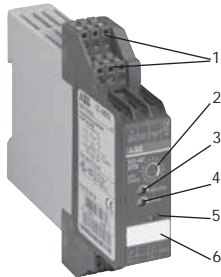
single-function

CC-E V/V		0-10 V	1SVR 011 720 R2300
CC-E V/I	0-10 V	0-20 mA	1SVR 011 721 R1000
CC-E V/I		4-20 mA	1SVR 011 722 R1100
CC-E I/V		0-10 V	1SVR 011 723 R1200
CC-E I/I	0-20 mA	0-20 mA	1SVR 011 724 R1300
CC-E I/I		4-20 mA	1SVR 011 725 R1400
CC-E I/V		0-10 V	1SVR 011 726 R1500
CC-E I/I	4-20 mA	0-20 mA	1SVR 011 727 R1600
CC-E I/I		4-20 mA	1SVR 011 728 R2700
CC-E V/V	-10...+10 V	-10...+10 V	1SVR 011 729 R2000

Pack. units: 1 piece

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

Analog standard signal converter CC-U/STD

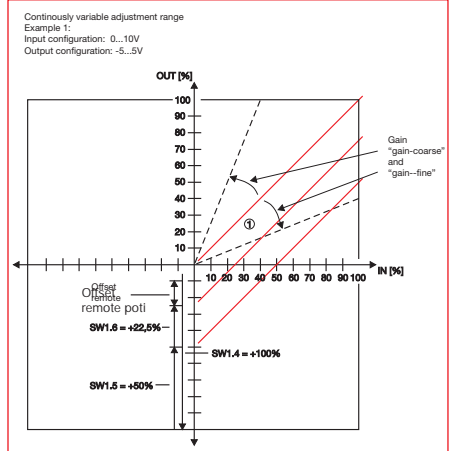
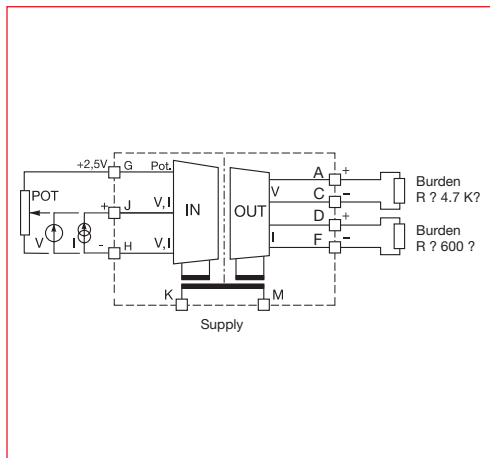


CC-U/STD

- 1 Plug-in terminals
- 2 Gain: Coarse adjustment
- 3 Gain: Fine adjustment
- 4 Offset adjustment
- 5 U: green LED - supply voltage
- 6 Marker

CC-U/STD universal signal converter with 3-way electrical isolation

- More than 120 configurations possible
- Configurable output signal response on input signal interruption (low fail safe / high fail safe)
- Adjustment and operating elements on the front-side
- Short-circuit proof signal outputs
- Plug-in connecting terminals for inputs, outputs and supply
- Very fast signal transmission enables use in control systems



DIP switch settings

	SW1								A...D	C
	1	2	3	4	5	6	7	8		
Potentiometer									A...D	C
0...50 mV									A...D	C
0...100 mV									4...5	5
0...250 mV									0...1	1
0...500 mV									7...9	8
0...1 V									3...4	3
0...2.5 V									0	0
0...5 V									5...7	6
0...10 V									2	2
1...5 V									7...9	8
2...10 V									2...4	3
-10...+10 V									0	0
0...125 mV									3...4	3
0...8 V									3...4	3
-22.5...+22.5 mV									B...F	D
-11...+11 V									0	0
2.5...7.5 V									5...7	6
3.33...9.99 V									3...4	4
10...0 V									2	2
100...0 mV									4...5	5
0...1 mA									A...D	B
0...20 mA									2...4	3
4...20 mA									4...5	4
10...50 mA									0...1	1
20...4 mA									4...5	4
20...0 mA									4...2	3
-0.45...+0.45 mA									B...F	D
-55...+55 mA									4...6	5
High fail safe *)									-	-
Low fail safe *)									-	-
No fail safe *)									-	-

*) Detection of input signal interruptions:

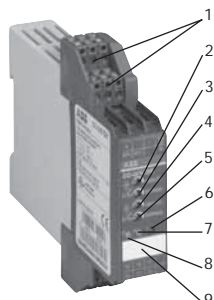
If the input signal circuit is interrupted, the output signal changes to the adjusted minimum value (low fail safe) or maximum value (high fail safe). If "No fail safe" is configured, input signal interruptions are not detected.

Output	SW2					
	1	2	3	4	5	6
0...5 V						
0...10 V						
1...5 V						
2...10 V						
-10...+10 V						
-3...+5 V						
-10...0 V						
-5...0 V						
0...6.66 V						
-10...3.33 V						
-5...1.66 V						
0...8 V						
0...4 V						
-10...-2 V						
-5...-1 V						
1.25...6.25 V						
-7.5...2.5 V						
-3.75...1.25 V						
1.66...8.33 V						
-6.66...6.66 V						
-3.33...3.33 V						
-8...0 V						
-4...0 V						
0...1 mA						
0...20 mA						
4...20 mA						
0...10 mA						
0...0.5 mA						
0...13.33 mA						
0...666 µA						
0...16 mA						
0...800 µA						
0...8 mA						
0...400 µA						
2.5...12.5 mA						
125...625 µA						
3.33...16.66 mA						
166...833 µA						
0.2...1 mA						
2...10 mA						
100...500 µA						

Legend	
■	ON
□	OFF
■ □	no influence

Type	Supply voltage 50/60 Hz	Order code	Pack. unit pieces
CC-U/STD	24-48 V DC / 24 V AC	1SVR 040 000 R1700	1
	110-240 V AC / 100-300 V DC	1SVR 040 001 R0400	1

Analog standard signal converter CC-U/STDR with relay output

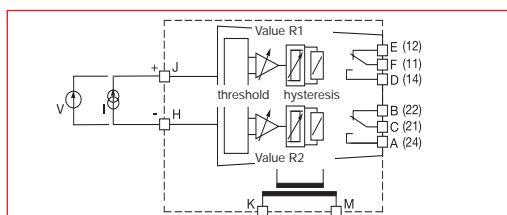


CC-U/STDR

- 1 Plug-in connecting terminals
- 2 Threshold value for R1
- 3 Hysteresis for R1
- 4 Threshold value for R2
- 5 Hysteresis for R2
- 6 U: green LED - supply voltage
- 7 R2: yellow LED -Relay 2 energized
- 8 R1: yellow LED -Relay 1 energized
- 9 Marker

CC-U/STDR universal signal converter for standard signals, with 2 threshold relay outputs and with 3-way electrical isolation

- Standard signal converter with 7 setting ranges
- 2 threshold relay outputs with one c/o contact each (threshold and respective hysteresis can be adjusted independently from each other)
- Open-circuit or closed-circuit principle configurable by means of a DIP switch
- 2 yellow LEDs for clear status indication of the output relays
- Plug-in connecting terminals for inputs, outputs and supply



DIP switch settings

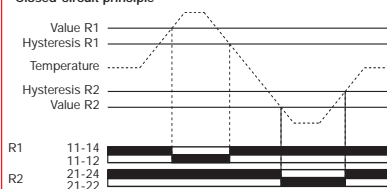
Input	SW1					
	1	2	3	4	5	6
0 ... 10 V	■					
0 ... 5 V		■				
0 ... 1 V			■			
-10 ... +10 V				■		
1 ... 5 V					■	
0 ... 20 mA						■
4 ... 20 mA						■
Closed-circuit principle	■	■	■	■	■	■
Open-circuit principle	■	■	■	■	■	■

Legend

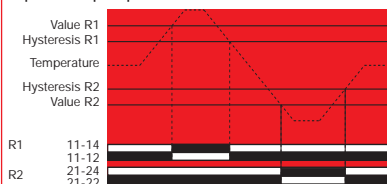
- ON
- OFF
- no influence

Function diagrams CC-U/STDR

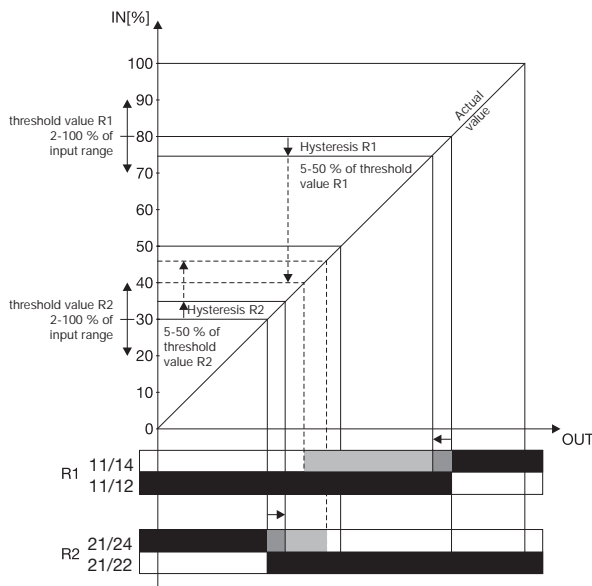
Closed-circuit principle



Open-circuit principle



Switching points of the output relay depending on the input range, configuration open-circuit principle



Type	Supply voltage 50/60 Hz	Order code	Pack. unit pieces
CC-U/STDR	24-48 V DC / 24 V AC	1SVR 040 010 R000	1
	110-240 V AC / 100-300 V DC	1SVR 040 011 R2500	1