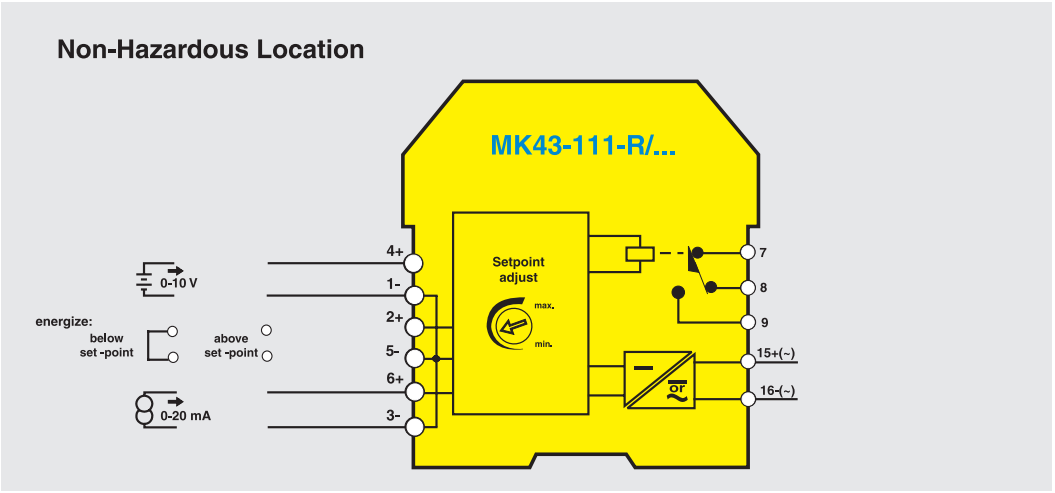
The **MK43-111-R** is used to monitor either 0/4-20 mA or 0/2-10 V input signals. It provides a relay setpoint output that is adjusted by a potentiometer located on the device front.

Jumpering terminals 2 and 4 programs the signal direction of either setpoint. With jumpers, the relay de-energizes if the input signal exceeds the setpoint. Without jumpers, the relay de-energizes if the input signal falls below the setpoint.

The 24 VDC device does not provide galvanic isolation between supply voltage and input.

MK43-111-R/24VDC
MK43-111-R/115VAC
MK43-111-R/230VAC

Connection Diagram



Preset Device
Single Channel
MK43-111-R/...(24VDC/115VAC/230VAC)

Type	**MK43-111-R/24VDC**	**MK43-111-R/115VAC**	**MK43-111-R/230VAC**
ID Number	M7506907	M7506902	M7506900
Power Supply			
Supply voltage	19-29 VDC, ≤10% ripple	98-126 VAC, 48-62 Hz	184-253 VAC, 48-62 Hz
Power consumption	1 W	2.5 VA	2.5 VA
Clearance and Creepage Distances			
- input circuit / output circuit	4 mm	4 mm	4 mm
- output circuit / supply voltage	4 mm	4 mm	4 mm
- input circuit / supply voltage	- - -	4 mm	4 mm
Input Circuit	current or voltage input	current or voltage input	current or voltage input
Current input			
- Input resistance	50 Ω	50 Ω	50 Ω
- Operating values	0 to 20 mA (max. 40 mA)	0 to 20 mA (max. 40 mA)	0 to 20 mA (max. 40 mA)
Voltage input			
- Input resistance	50 kΩ	50 kΩ	50 kΩ
- Operating values	0 to 10 V (max. 250 V)	0 to 10 V (max. 250 V)	0 to 10 V (max. 250 V)
Hysteresis	typ. 2.5% of defined setpoint	typ. 2.5% of defined setpoint	typ. 2.5% of defined setpoint
Temperature drift	2% of specified range	2% of specified range	2% of specified range
Output Circuit	one SPDT relay	one SPDT relay	one SPDT relay
Contact material	AgCdO + 3 µ Au	AgCdO + 3 µ Au	AgCdO + 3 µ Au
Switching voltage	≤250 VAC	≤250 VAC	≤250 VAC/60 VDC
Switching current	≤2 A	≤2 A	≤2 A
Switching capacity	≤500 VA/60 W	≤500 VA/60 W	≤500 VA/60 W
LED Indications			
- Power on	green	green	green
- Output energized	yellow	yellow	yellow
Housing Style	Diagram C (page A17)	Diagram C (page A17)	Diagram C (page A17)