



Relay module for measuring transducers

for limit value monitoring

Type:
GWM

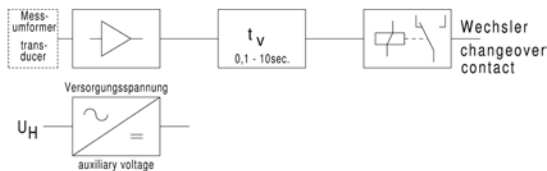


Application

The relay module can only be used in connection with a measuring transducer and serves for monitoring of a set limit value triggering a relay when being exceeded.



Function

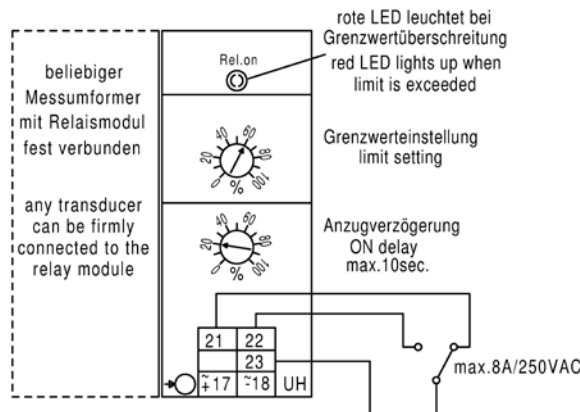


The variable generated by the measuring transducer proportionally to the input is transmitted to a comparator and is compared to the set limit value (0-100 %) there. Thereafter, the comparative value is sent to a driver stage via an adjustable timing element (0.1-10 s) where the stage then activates the output relay and the LED display.

The relay module is permanently connected to the measuring transducer.



Connection



Technical Data

Input	Arbitrary measuring transducer
	Limit value adjustment 0-100 %
	Relay contact 1 changeover contact
	Function indicator red LED lights up with relay energized
	Test voltage 4 kV between measuring input and relay contact
Switching characteristics	Switching accuracy ± 5 % of full scale
	Hysteresis approx. 2 % of full scale
	Response delay 0,1-10 sec., adjustable
	Temperature range - 15 °C to +20 °C to +30 °C to +55 °C
	Temperature influence < 0,1 % at 10 K
	Switching capacity max. 8 A, 250 V AC, 2000 VA
Dimensions	Housing Housing A, (22,5 mm wide) page A1
Weight	170 g
Installation	Fastening Snap-on fastening on top hat rail 35 mm acc. to DIN EN 60 715
	Electrical connection Screw terminal max. 4 mm ²



Types and variants

GWM