



## SW.Ex Switching Relais

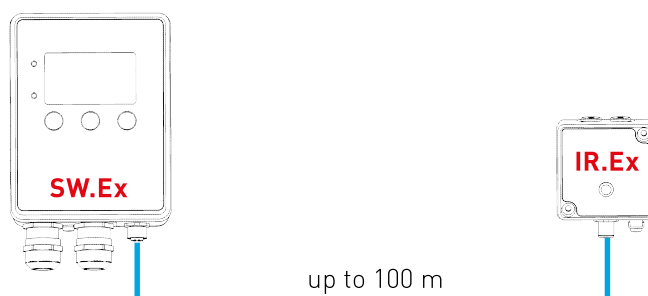
- Specification:  
II2(1)G Ex eb mb ib [ia Ga] IIC T4 Gb  
II2(1)D Ex tb ib [ia Da] IIIC T130°C Db
- Universal switching relay for mounting in zone 1 / 2 / 21 / 22
- Two adjustable, potential free relay outputs
- Ambient temperature -40...+70 °C
- Protection class IP66
- Temperature class T4 for all gases and dusts
- Adjustable hysteresis

- Adjustable on site; display
- Stainless steel / polymer compound material for maximum corrosion resistance
- No further barrier required in the control cabinet
- LED status indication
- Smart installation
- 24 VAC / DC
- For use with IR.Ex-Sensors

## IR.Ex Sensor Range

- Specification:  
II 1/2G Ex ia IIC T6/T5/T4 Ga/Gb  
II 1/2D Ex ia IIIC T130°C Da/Db
- Intelligent sensor concept for connection (M12 connector) to SW.Ex universal Ex-switching relay
- Stainless steel / polymer compound material for maximum corrosion resistance
- Room sensor for direct connection
- For measuring in zone 0, 1, 2, 21, 22

- Other sensors with M12 sensor cable (1 Meter included, other lengths available)
- For use with SW.Ex universal Ex-switching relay



# SENSORS WITH BINARY SIGNAL



## SW.Ex – Switching relais

| PRODUCT | DESCRIPTION         |
|---------|---------------------|
| SW.Ex   | Ex-Switching Relais |

## IR.Ex – Temperature / Humidity

| PRODUCT      | DESCRIPTION                                                                     |
|--------------|---------------------------------------------------------------------------------|
| IR.Ex-RT     | Ex-Room Sensor Temperature; Measuring range -40...+125 °C                       |
| IR.Ex-RH     | Ex-Sensor Room Humidity; Measuring range -40...+125 °C; 0...100% rH             |
| IR.Ex-DT-050 | Ex-Sensor Duct Temperature; l = 50 mm; Measuring range -40...+125 °C            |
| IR.Ex-DH-050 | Ex-Sensor Duct Humidity; l = 50 mm; Measuring range -40...+125 °C; 0...100% rH  |
| IR.Ex-DT-100 | Ex-Sensor Duct Temperature; l = 100 mm; Measuring range -40...+125 °C           |
| IR.Ex-DH-100 | Ex-Sensor Duct Humidity; l = 100 mm; Measuring range -40...+125 °C; 0...100% rH |
| IR.Ex-DT-200 | Ex-Sensor Duct Temperature; l = 200 mm; Measuring range -40...+125 °C           |
| IR.Ex-DH-200 | Ex-Sensor Duct Humidity; l = 200 mm; Measuring range -40...+125 °C; 0...100% rH |

## IR.Ex – Differential Pressure

| PRODUCT       | DESCRIPTION                                        |
|---------------|----------------------------------------------------|
| IR.Ex-P-0060  | Ex-Differential Pressure Sensor -60...+60 Pa       |
| IR.Ex-P-0100  | Ex-Differential Pressure Sensor -100...+100 Pa     |
| IR.Ex-P-0250  | Ex-Differential Pressure Sensor -250...+250 Pa     |
| IR.Ex-P-0600  | Ex-Differential Pressure Sensor -600...+600 Pa     |
| IR.Ex-P-1000  | Ex-Differential Pressure Sensor -1000...+1000 Pa   |
| IR.Ex-P-2500  | Ex-Differential Pressure Sensor -2500...+2500 Pa   |
| IR.Ex-P-4000  | Ex-Differential Pressure Sensor -4000...+4000 Pa   |
| IR.Ex-P-10000 | Ex-Differential Pressure Sensor -10000...+10000 Pa |

## IR.Ex – Flow Rate\*

| PRODUCT      | DESCRIPTION                                      |
|--------------|--------------------------------------------------|
| IR.Ex-V-0100 | Ex-Differential Pressure Sensor -100...+100 Pa   |
| IR.Ex-V-0250 | Ex-Differential Pressure Sensor -250...+250 Pa   |
| IR.Ex-V-0600 | Ex-Differential Pressure Sensor -600...+600 Pa   |
| IR.Ex-V-1000 | Ex-Differential Pressure Sensor -1000...+1000 Pa |
| IR.Ex-V-2500 | Ex-Differential Pressure Sensor -2500...+2500 Pa |

\* Please note: For flow rate measurement an additional measuring device may be required

Other types available

