

XRF-TI

Part No. 407683

DATASHEET

Transmitter to wireless transmission system of ExpertSystem

Transmitter with one input for safety edges

Mechanical data

Dimensions	200 x 18 x 18 mm
Material (housing)	ASA anthracite
Connector	M8-Plug with 2 pins
Cable	15 mm, UV resistant
Weight in gr	100

Electrical data

Supply voltage	Lithium Inorganic battery 3.6 V (customised)
Battery life	Typ. 7 years
Input	for safety edge (8.2 kOhm)
Thresholds (upper / lower switching value)	> 12.2 kOhm / < 5.9 kOhm
Available codes	65'536
Push button	for pairing
LED red	flashes when actuating the sensor

In combination with an XRF receiver

Range in m	60 at optimum conditions
Reaction time	Typ. 15 ms
Communication	Bidirectional
Operating frequency	868.3 MHz
Radiated power	< 10 dbm / 10 mW
Low battery indication	Acoustic and optical (on the receiver)

Approvals

EN 300 220, EN 301 489
 EN ISO 13849-1 (PLd, Cat.3, MTTFd 609)

Ambient conditions

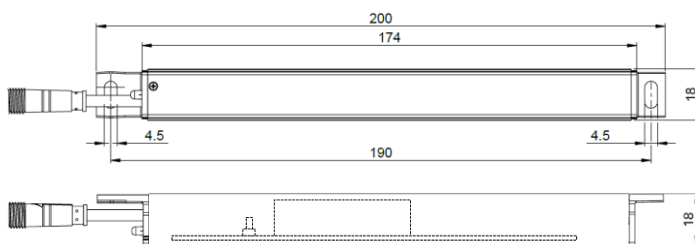
Protection category	IP65
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +80°C
Rel. air humidity	< 95%, non-condensing



Box contents

Transmitter, 1 battery (customized), instruction manuals (supplementary sheets, in DE, EN, FR, IT, NL, SV), mounting material

Dimensions



XRF-R.2

Part No. 407692

DATASHEET

Receiver to wireless transmission system of ExpertSystem

Receiver with two safety outputs

Mechanical data

Dimensions	121 x 75 x 24 mm
Material (housing)	ASA light grey
Terminals	12, push-in spring connection conductor cross section 0.25 – 0.75 mm ²
Cable strain relief	Built in (for cable-Ø 3.1 to 5.2 mm)
Weight in gr	200

Electrical data

Supply voltage	12-36 V ACDC, 48-62 Hz
Power consumption	0.7 W at 12 V, 1.0 W at 36 V
Test input (for Cat. 2 applications)	12-36 V ACDC, 5.5 mA at 24 V
Sensor memory	2 x 7 sensor elements
Outputs	2 x 2 relays 36 V ACDC, 1 A
Options	NO with parallel resistor 8,2 kOhm NC
Displays	2 LEDs bicoloured (status output, programming)
Joystick (for pairing)	5 positions
Dip-switch (test input)	factory setting: OFF (= high active)

In combination with XRF transmitters

Range in m	100 at optimum conditions
Reaction time	Typ. 15 ms
Communication	Bidirectional
Operating frequency	868.3 MHz
Radiated power	< 10 dbm / 10 mW
Low battery indication	Acoustic and optical (on the receiver)

Approvals

EN 300 220, EN 301 489	
EN ISO 13849-1 (PLd, Cat.3, MTTFd 153)	Add. Test input for Cat. 2 applications

Ambient conditions

Protection category	IP65
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +80°C
Rel. air humidity	< 95%, non-condensing



Box contents

Receiver, 6 instruction manuals (DE, EN, FR, IT, NL, SV), mounting material

Dimensions

