XR S 868

EN

TECHNICAL SPECIFICATIONS

Power supply	BUS 2easy or 12-24 V ⎓/~
Max Power consumption	54 mA
Transmission frequency	868 MHz
Max number of transmitters	6
Communication with electronic board	Relay - BUS
Max Reaction Time	76 ms
Max number of safety edges	2
Safety edge technology	- Mechanical (NC contact) - Resistive (8k2)
Protection rating	IP55
Operating temperature	-20 °C +55 °C
MAX bulk dimensions (HxLxP)	112 x 84 x 36.5 mm

1. INSTALLATION

The cables must be facing downwards ✎1. Place only one cable in each cable gland. Close the unused cable gland (plug provided).

Secure the base of receiver ✎2. The surface to which it is secured must be flat.
- Attaching to steel, aluminium, wood: 4 screws 2.9 x 19 UNI EN ISO 15481
- Attaching to brick, concrete: 4 wall plugs 5 x 25 and cylindrical head screws

2. CONNECTIONS XR S 868

ALWAYS DISCONNECT THE POWER SUPPLY before working on the receiver. Power on only after all connections have been made.

2.1 CONNECTIONS TO BUS 2EASY

The BUS 2easy provides the receiver with power supply as well as communication with the electronic board.
1. Connect the BUS ✎3. The BUS line does not require a matching polarity connection.
2. Position the jumper ✎3-A.
3. Register XR S 868 on the electronic board (follow the specific instructions).

Do not assign other devices (e.g. photocells) with the addresses BUS 2easyoccupied by XR S 868:
- 0110 (OFF ON ON OFF) Safety in opening
- 1101 (ON ON OFF ON) Safety in closing

2.2 CONNECTION TO 12-24 V ⎓/~

1. Connect terminals 12-24 V ⎓/~ to the accessories power supply of the electronic board ✎4.
2. Connect terminals TEST ✎4 if the Test function is in use. The Test function checks system operability before every movement.

The 12-24 V ⎓/~ and TEST lines have no polarity.

3. Connect the relay outputs to the inputs of the electronic board:

	Relay 1 - connect to input NC or 8k2
	Relay 2 - connect to input NC or 8k2
	Relay 1+2 - inverts when Relay 1 or Relay 2 activates - capacity 24V⎓ / 1A, 125V~/0.5A (flashing, buzzer..)
	Relay Charge - inverts when the charge level of the battery of at least one of the transmitters is low - capacity 24V⎓ / 1A, 125V~/0.5A (flashing, buzzer..)

4. Position the jumper ✎4:

If the TEST input is connected to a FAACboard, jumper in position B.

If the TEST input is not used, , jumper in position A.

If the TEST input is connected to a board, not FAAC, with:

- Test active-low (0V) , jumper in position B.
- Test active-high (12-24 V⎓/~), jumper in position A.

The TEST activates Relay1, Relay2 and Relay1+2 to check their operation.

3. PROGRAMMING TRANSMITTERS

Install and connect the transmitters XT S 868 (follow specific instructions).
Select the operating mode you want to assign to one or more transmitters:
1. Press the PROG.RX key on the receiver: you will enter programming mode MODE 0. The receiver will emit 2 short beeps to confirm.
2. Each time you press the PROG>RX key you will return to the next operating mode from MODE 0 to MODE 3. The receiver emits a short beep to confirm each step.

The set MODE is signalled by the LEDs based on the type of connection (See tables ✎6).

3. When the desired MODE is active, press the PROG.TX key on the transmitter that must be saved in this mode within 30 seconds. When you press the PROG. TX key the relevant LED will turn on. The receiver emits a short beep to confirm saving.

Signals:
- The receiver emits 1 short beep and 1 long beep if the Transmitter has already been recorded on the receiver.
- The receiver emits 1 short beep and 1 long beep 3 times if the memory is full.

4. If necessary, repeat point 3 for all transmitters that need to be saved in the active MODE.
5. EXIT PROGRAMMING: using the PROG.TX key, select MODE 3 then press again. The receiver emits 3 long beeps to confirm the exit.

The system exits automatically after 30 seconds without having saved Transmitters.

3.1 REPLACING TRANSMITTERS

To replace one or more transmitters you need to perform a total RESET on the receiver and then save all the transmitters again.

For the system to operate correctly, each transmitter must be saved on only one receiver.

3.2 RESET

The reset deletes the entire memory of the XR S 868 The operation cannot be undone.

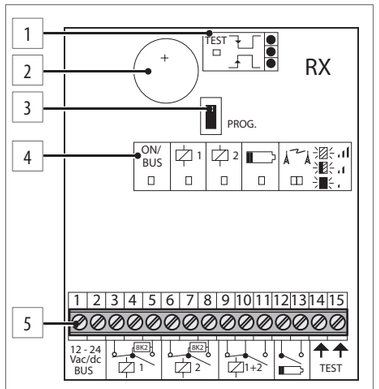
1. Press and hold the PROG.RX key for at least 5 seconds.
2. When the receiver emits a continuous beep release the key. The receiver emits 5 long beeps to confirm the reset.

4. CHECKING OPERATION

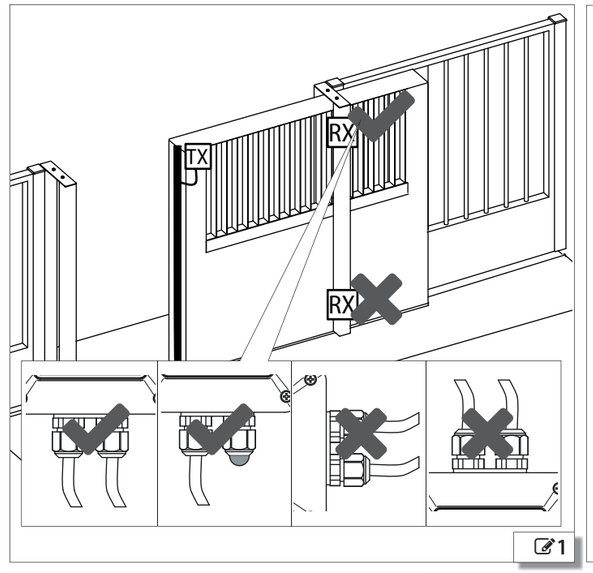
Check operation of the installed edges and LEDs on the XR S 868.
To ensure the system works correctly you need a strong radio signal: position the transmitters so that they are unobstructed and do not use metallic covers.

LED	STATUS	DESCRIPTION
ON/ BUS	ON	Power on
	OFF	Power off
	Flashing	Error BUS 2easy or lack of radio signal of one or more Transmitters
1	ON	Relay 1 at rest
	OFF	Relay 1 busy: edge active or test in progress
2	ON	Relay2 at rest
	OFF	Relay2 busy: edge active or test in progress
	ON (+ beep every 5 secs)	Battery level XT S 868 low: replace batteries
	OFF	Battery level XT S 868 sufficient
	GREEN flashing every 7 s	Radio signal strong
	ORANGE flashing every 7 s	Radio signal medium
	RED ON (+ beep every 5 s)	Radio signal weak to identify the transmitter with weak signal check each edge: each time an edge with a weak Transmitter signal is activated the Receiver emits 1 beep.
	RED ON + LED1 OFF and/or LED/2 OFF	ERROR: radio signal absent To identify the Transmitter with an absent signal check each edge. Check status of the LEDs on the Transmitter of the activated edge to identify the required solution: replace batteries or replace Transmitter if faulty.
TEST	ON	TEST in progress
	OFF	TEST not active

Close XR S 868 ✎5 after checking that it works correctly.



1	Jumper polarity test
2	Buzzer
3	PROG. key RX
4	LED's
5	Removable terminal



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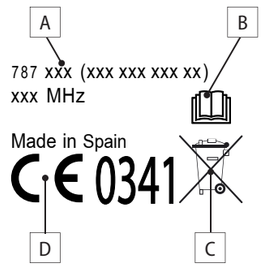
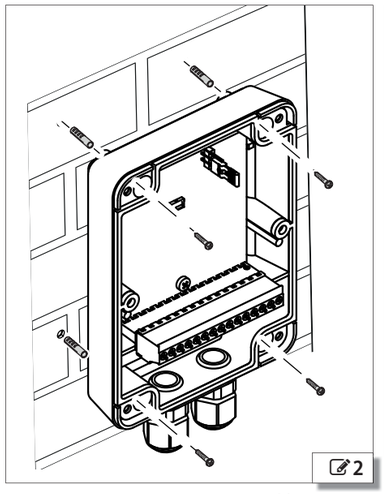
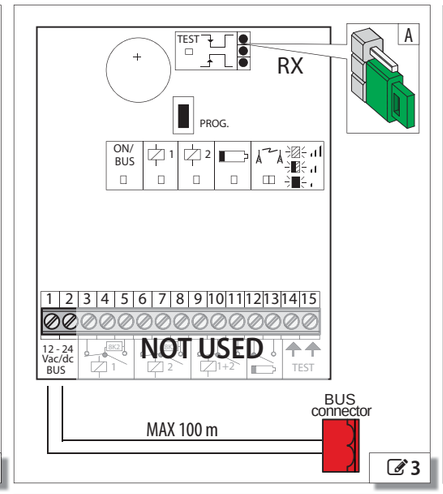
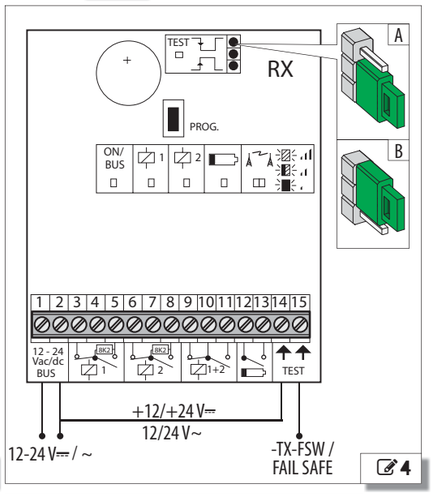
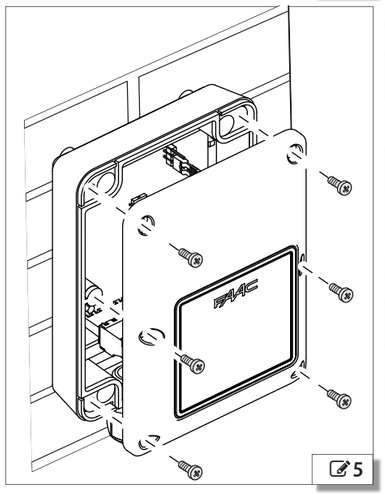


DESCRIPTION OF THE LABEL
A. Model identification code
B. Read operator's manual
C. Dispose in accordance with current regulations
D. Notified body reference









MODE 1	2	Connection to BUS 2easy
0		BAND1 activates the safety in opening BAND2 activates the safety in closing
1		BAND1 or BAND2 activates the safety in opening
2		BAND1 or BAND2 activates the safety in closing
3		BAND1 or BAND2 activates the safety in closing and opening

MODE 1	2	Connection to 12-24 V⎓/ ~
0		BAND1 activates Relay1 BAND2 activates Relay2
1		BAND1 or BAND2 activates Relay1
2		BAND1 or BAND2 activates Relay2
3		BAND1 or BAND2 activates Relay1 and Relay2

✎6

EC DECLARATION

The Manufacturer

Company name: FAAC S.p.A. Soc. Unipersonale
Address: ViaCalari,10-40069ZolaPredosaBOLOGNA - ITALIA

hereby declares that the following products:

Description: Radio system for pressure sensitive protective equipment (PSPE) connection to automated system for door/gate

Model: XT S 868, XR S 868;

comply with the following applicable EU legislations:

R&TTE Directive 1999/5/EC; Machinery Directive 2006/42/EC; RoHS Directive 2011/65/UE

Furthermore, the following harmonised standards have been applied:

EN 13849-1:2008/AC:2009 CAT 2 PL "d"; EN 13849-2:2004; EN 12100:2012; EN 12978:2003+A1; EN 61000-6-2:2005; EN 61000-6-3:2007/A1:2011; ETSI EN 301 489-1 V1.9.2:2011; ETSI EN 301 489-3 V1.6.1:2013; EN 300 220-2 V2.4.1:2012; EN 60204-1:2006+A1:2009; EN 60950-1:2006+A11:2009+A1:2010+A2:2013; EN 60950-1:2006+A12:2011; EN 60215:1989+A1:1992+A2:1994

Bologna, 01-01-2016 CEO

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