Radio Button

ORDER CODE

8D5898RA

8D5898R

APPLICATIONS

Lifts
Escalators
Industrial

CERTIFICATIONS

CE Marking
RED
RoHS

PACKAGE CONTENTS

8D5898RA FULL RADIO BUTTON
Omnidirectional 868 MHz stylus antenna
Wall mounting bracket
Quick Guide

OTHER VERSIONS

8D5898R Power supply 2 AA batteries

868 MHz radio · Alarm · RS485 · Inputs outputs

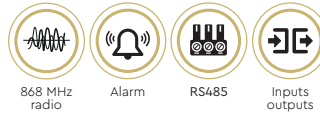## IoT 868Mhz sensor for industrial applications

• 868MHz radio
• Opto-isolated inputs
• Digital outputs
• RS485 serial

Radio Button is an industrially developed sensor for lift and escalator applications.

Compact and robust, it combines an 868MHz radio and a microprocessor to manage algorithms and signalling via inputs (opto-isolated on/off), outputs or RS485 serial interface.

The extended power supply provides a 9–28 VDC input or battery (AA non-rechargeable) in custom applications.

There is an activation button that can be used in different modes according to customisations and configurations.

Radio Button finds applications, together with the 4G LIFTGATE equipped with an 868MHz radio, as an external radio sensor to transmit information to the Cloud or as a remote button in the Coppy series remote alarm. In this application it can also be used as a flood sensor in the pit.

With specific algorithms it can be used as a handrail wear detector (via external inductive sensors).

Radio Button sends 868MHz radio messages with a proprietary protocol for greater security and robustness in transmission, capable of covering excellent distances in complex environments.

Its alive message management also allows its correct operation to be monitored.

Equipped with an external SMA antenna, it can be remote-controlled for more complex applications.

TECHNICAL CHARACTERISTICS

RADIO MODULE	868 MHz radio Operating frequency: 868.65 MHz Frequency bandwidth 868.600 – 868.700 MHz Maximum transmission power +10 dBm
GENERAL SPECIFICATIONS	Integrated button 2 opto-isolated inputs for external buttons/sensors 2 Digital outputs CPU: STM32 RS485 serial 3 Status LEDs
ANTENNA	External with SMA/f connector
POWER SUPPLY	9–28 VDC
BATTERY	1.5V AA stylus min. 3000mAh (version 8D5898R only)
TEMPERATURE	-10 +50°C
VARIOUS	Dimensions 90 x52 × 63 mm Weight 140 g