

Industrial Push Button Sensor 868MHz/915MHz Connectivity Solution for IoT

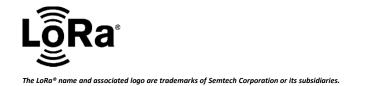


PB868LRI - PBUS915LRI

General Description

PB868LR and PBUS915LR are industrial push button sensors available for indoor applications. The radio transmission is based on the new disruptive LoRa[™] long range technology at 868MHz and 915MHz.

Three different operational modes are available in order to transmit to the server the information when the button is pushed or the number of how many times the button has been pushed also in a programmable time period. Low battery consumption.







Technical Features

- LoRa [™] long range 868MHz and 915MHz radio module
- LoRAWAN v1.0 class A compliant
- Programmable Alive signal
- Buzzer for low battery indication
- Three operational programmable modes based on opening and/or timing thresholds:
 - ✓ Signal transmitted when the button is pushed
 - Signal transmitted once a programmable threshold of activations is reached
 - Signal transmitted once a programmable threshold of activations is reached or when the programmable timing threshold is reached
- Activation and timing thresholds are set by remote
- Total detection counter resettable from remote
- lithium-thionyl 2700mA
- Temperature range -10°C < .. < +55° C
- Easy Installation

| Frequency | 868MHz – 915MHz |
|---------------------|---|
| RF power | 14dBm EIRP |
| Modulation | LoRa™ |
| Network Protocol | LoRaWAN v1.0 |
| RX sensitivity | -138dBm |
| Battery | 3.6V lithium-thionyl chloride (Li-SOCl 2) |
| Temperature range | -10°< T < +55°C |
| Antenna | PCB printed |
| Power supply | Min 2,1V / Max 3,6V Typ.3,0V |
| Consumption standb | Тур. 12иА |
| Dimension | 70 x 65 x 55 mm |
| Reference standards | EN 301 489-3 EN 300 220-1 EN 60950 |



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