



**Magnetic Contact,
Cabinet control
Sensor 868MHz/915MHz
Connectivity Solution for IoT**



CM868LRCB - CMUS915LRCB

General Description

CM868LRCB and CMUS915LRCB are magnetic contact sensors available to detect opening or closure of Street cabinets.

The radio transmission is based on the new disruptive LoRa™ long range technology at 868MHz and 915MHz.

Sensor is equipped with BLE for verify operator authentication using Phone Emei and user PIN.

Low battery consumption.

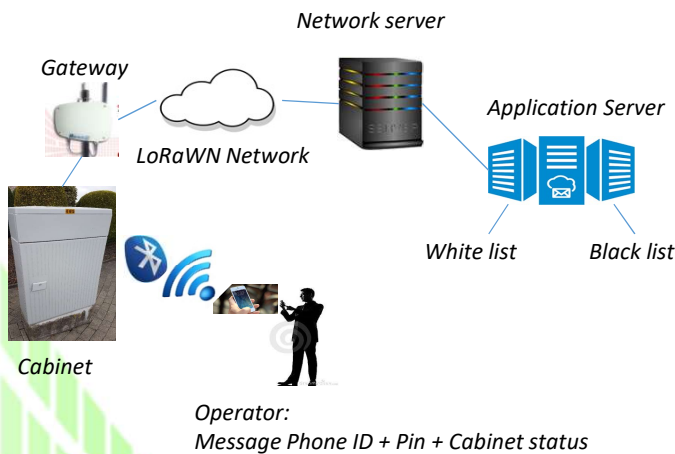


The LoRa® name and associated logo are trademarks of Semtech Corporation or its subsidiaries.





Technical Features



- Double reed contact with cable length 170cm
- Temperature range $-20^{\circ}\text{C} < \dots < +55^{\circ}\text{C}$ with typical accuracy tolerance $\pm 0.3^{\circ}$
- BLE connection
- Humidity range $0 < \text{RH} < 100\%$
- Low power consumption
- Inertial sensor included
- LoRa™ long range 868MHz and 915MHz radio module
- LoRAWAN v1.0 class A compliant
- Programmable Alive signal
- Easy wake up system
- One or two T and RH thresholds programmable from remote.
- 1pZ Size C 5600mA lithium-thionyl
- Alive messages
- Easy Installation
- IP68
- APP for operator identification included

Frequency	868MHz – 915MHz
RF power	14dBm EIRP
Modulation	LoRa™
Network Protocol	LoRaWAN v1.0
RX sensitivity	-138dBm
Battery	3.6V lithium-thionyl chloride (Li-SOCI 2)
Temperature range	$-20^{\circ}\text{C} < T < +55^{\circ}\text{C}$
Antenna	Helical antenna
Power supply	Min 2,6V / Max 3,6V Typ.3,0V
Consumption standb	5 uA
Dimension	150 x 55 x 45 mm
Reference standards	EN 301 489-3 EN 300 220-1 EN 60950



ASCOELGAP S.r.l.
Via degli Artigiani n° 7,
26025 PANDINO (CR)
www.ascoelgap.com
info@ascoelgap.com

