

ROBUST

Robust is a product serie focused on heavy duty appliances.

General Characteristics

Polycarbonate Encasing
 Waterproof / IP65
 Led and Button
 Mounting flanges
 BLE compatibility

ROBUST contact

Robust Contact are Gateways with embedded Sensors. They are capable of sensing and additional serve as Gateways for the Robust Alert Sensors.

Additionally they provide GPS for tracking applications.

Routers are available in GSM, LTE and NB-IoT

Contact Wise

Gateway Equipment with sensors

Connectivity: GSM

GNSS: GPS

Measurements:

- Temperature
- Movement
- Air pressure

Battery type: rechargeable, wireless charging

Battery time: up to 1 year *

Dimensions: 94 x 58 x 35 mm



Contact Wide

Gateway Equipment with sensors

Connectivity: GSM, 4G or NB-IoT

GNSS: GPS

Measurements:

- Temperature
- Movement
- Air pressure

Battery type: replaceable

Battery time: up to 5 years *

Dimensions: 145 x 65 x 55 mm



* Note: The battery life may vary according to the use case applications.

ROBUST alert

Robust Alert are sensors which raise near-real time alarms according to remotely configurable values. These sensors send the data to the Cloud Platform through a Gateway, i.e. a member of the *Robust Contact* family.

Alert

Temperature & Humidity Monitoring Sensor

Measurements:

- Temperature
- Humidity
- Movement
- Air pressure

Battery type: replaceable

Battery time: up to 2 years *

Dimensions: 94 x 58 x 35 mm



Alert & Light

Light Sensor Capability

Measurements:

- Temperature
- Humidity
- Movement
- Air pressure
- Light

Battery type: replaceable

Battery time: up to 2 years *

Dimensions: 94 x 58 x 35 mm



Alert & Mag

Magnetic Switch Capability

Measurements:

- Temperature
- Humidity
- Movement
- Air pressure
- Magnetic

Battery type: replaceable

Battery time: up to 2 years *

Dimensions: 94 x 58 x 35 mm



* Note: The battery life may vary according to the use case applications.

Specifications	Alert	Alert & Light	Alert & Mag	Contact Wise	Contact Wide G	Contact Wide LTE	Contact Wide NB-IoT
Connectivity							
GSM	-	-	-	✓	✓	✓	-
LTE	-	-	-	-	-	✓	-
NB-IoT	-	-	-	-	-	-	✓
GPS	-	-	-	✓	✓	✓	✓
Short Range Radio	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz
iBeacon	✓	✓	✓	✓	✓	✓	✓
Battery							
Battery Duration	up to 2 years	up to 2 years	up to 2 years	up to 1 year	up to 5 years	up to 5 years	up to 5 years
Battery Type	Li-SoCl ₂ , 3.6V 6500 mAh	Li-SoCl ₂ , 3.6V 6500 mAh	Li-SoCl ₂ , 3.6V 6500 mAh	Li-Ion, 2000 mAh	Li-SoCl ₂ , 3.6V 13000 mAh	Li-SoCl ₂ , 3.6V 13000 mAh	Li-SoCl ₂ , 3.6V 13000 mAh
Wireless charging	-	-	-	✓	-	-	-
Replaceable	✓	✓	✓	-	✓	✓	✓
Sensors							
Temperature	✓	✓	✓	✓	✓	✓	✓
Humidity	✓	✓	✓	-	-	-	-
Accelerometer	✓	✓	✓	✓	✓	✓	✓
Air Pressure	✓	✓	✓	✓	✓	✓	✓
Light	-	✓	-	-	-	-	-
Magnetic	-	-	✓	-	-	-	-
Temp. Accuracy (-10°C to 85°C)	+-1C	+-1C	+-1C	+-1C	+-1C	+-1C	+-1C
Temp. Accuracy (-40°C to -10°C)	+-2C	+-2C	+-2C	+-2C	+-2C	+-2C	+-2C
Humidity Range	0% to 100%	0% to 100%	0% to 100%	-	-	-	-
Humidity Accuracy	+5%	+5%	+5%	-	-	-	-
Encasing							
Temperature Range	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-5°C to 60°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
IP Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Dimensions	94 x 58 x 35 mm	94 x 58 x 35 mm	94 x 58 x 35 mm	94 x 58 x 35 mm	145 x 65 x 55 mm	145 x 65 x 55 mm	145 x 65 x 55 mm