



BAY MONITORING SENSOR

The BMS is a high-tech sensor utilising ultrasonic technology and advanced detection algorithms to determine the presence of vehicles within a designated parking space.

The BMS displays the detection status onboard by means of an array of coloured LEDs and is able to control a Bay Occupied Display (BOD) that may be connected to it. It communicates the detect status to the rest of the IdentiPark System via the Intellibooster.

PRODUCT VARIATIONS

Standard Display

Single LED indicators per colour

Enhanced Display

Power efficient internal LED cluster indicators with auto-brightness (no BOD)

High Definition

Internal 3-LED cluster per colour

TECHNICAL DATA

Input data

Identipark Sensor Bus, from the IntelliBooster
DC Power and Multi-drop RS485 communications

External Interface

DC Power, 1-wire TTL communications (to the BOD)

LED Indications

Heartbeat (can be disabled)
Vacant GREEN
Occupied RED
Reserved ORANGE or
Disabled BLUE

Power Supply

(Standard and HD) 28 to 56 VDC (Bus supplied)
(Enhanced) 32 to 56VDC (Bus Supplied)

Detection Range

0.6m to 4m

Dimensions

85.57mm × 161.26mm (h x w)

Mounting

Flush roof mount
Conduit junction box
U-channel

Material

Polycarbonate (Lexan 923)

Operating Temperature

-30°C to +60°C

Storage Temperature

-40°C to +85°C

Humidity

Up to 98% non-condensing

EMC

As per CISPR 22 and CISPR 24
IEC6100-4-2, IEC6100-4-3, IEC6100-4-4, IEC6100-4-6

Safety

Designed to comply with UL/CSA-60950, EN60950 and
IEC60950

Housing

IP54 rating

