



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 Bus	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 56V DC (Bus supplied) (Enhanced) 32 to 56V DC (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