



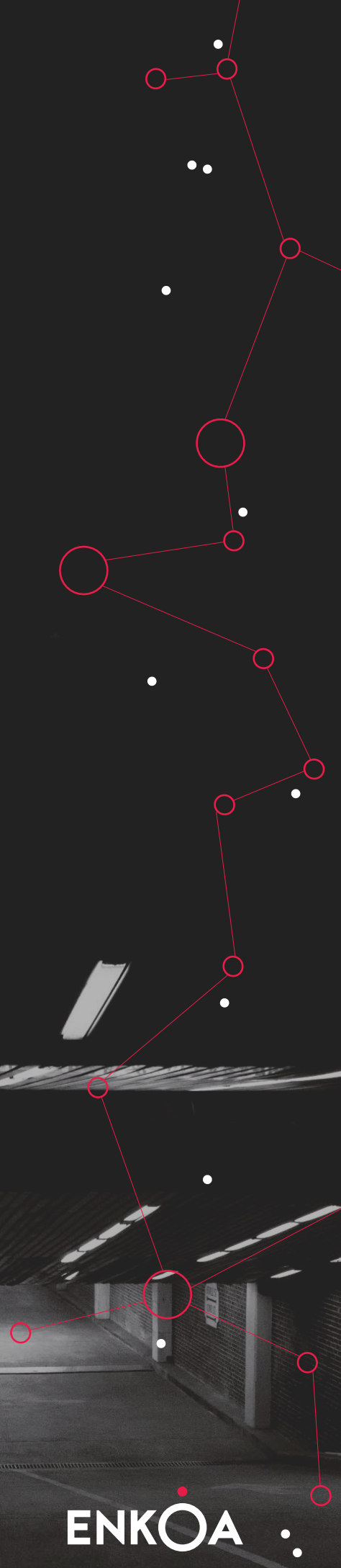
# SISTEMAS DE GESTIÓN DE ESPACIOS SPACE MANAGEMENT SYSTEMS

## Ultrasonic sensor - powered

- For "indoor" parking guidance systems in:
- Shopping centres/ retails
  - Public car park
  - Airport
  - Hotels

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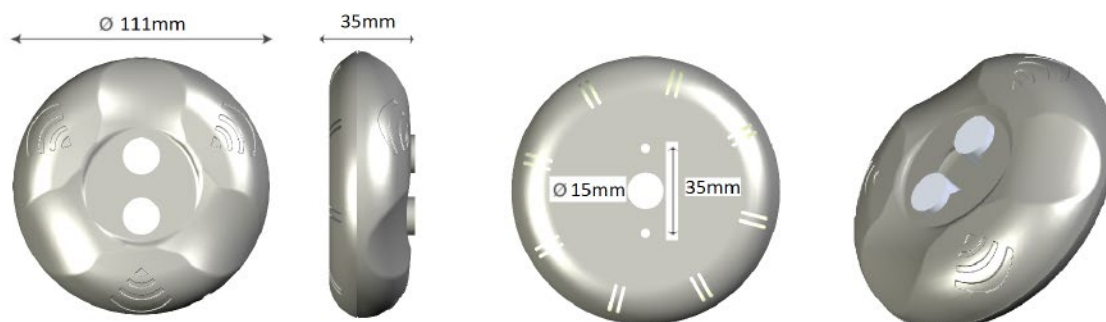




## Characteristics

DESCRIPTION	Ultrasonic sensor for parking space detection.( powered)
REFERENCE	SPUxLF
POWER	12Vdc/35W for 100 units
MAX. CABLE LENGTH	3m from sensor to sensor to connect 100 units to the same power source.
CONSUMPTION	25mA max, 50 uA average
CABLE TYPE	Power cable with 2 wires x 1,5mm <sup>2</sup>
COMMUNICATIONS	2,4 GHz , IEEE 802.15.4. wireless 10-50m to the gateway
GATEWAY/ LED SYNCR- HONIZATION	Up to 100 sensors/gateway - 5 sensors/led
INTERFACE	Red led
OPERATING TEMPERA- TURE	-10° to 50°
TECHNOLOGY	Transmitter/ Ultrasound receiver
DETECTION COVERAGE	Cars with height over 0,5 m are detected.
ASSEMBLY HEIGHT	Between 1,75-5m.
REACTION TIME	< 8 seconds
DIMENSIONS/WEIGHT	ø 110mm x 40 mm./130grs aprox.

## Dimensions



## Beneficios del sistema

**AUTOMATIC CALIBRATION.** It is calibrated by placing on the parking space and connecting to the power source, and through the measurement made by the ultrasound pulses and it is stored as reference height.

**DETECTION .** When the car parks, the sensors measures a distance below the reference distance and thus processes if the parking space is free/occupied.

**REAL TIME** The sensor sends the parking space status every 10 seconds to the led or display.