

SENSIT Relay Node 2G

communication repeater for
SENSIT sensors

Key features:

- ✓ ensures a fast communication network
- ✓ self-healing network
- ✓ easy mounting onto a pole
- ✓ completely wireless



The Relay Node 2G is a repeater that ensures a robust and reliable communication network within a SENSIT installation. The Relay Node 2G enables fast transmission of event messages from the SENSIT smart parking sensors to the SENSIT Gateway (data collector).

Wireless communication

The Relay Node 2G is completely wireless, ensuring easy installation. Once installed, no maintenance is required for years.

Self-healing network

The SENSIT sensors follow multiple communication paths ensuring a self-healing network.

Mounting instructions

The Relay Node 2G mounting bracket fits any pole. It can also be mounted onto a wall.

Guidelines

On-street: 1 relay node required per 20 sensors*
Off-street: 1 relay node required per 40 sensors*

**depending on local situations*

Technical information	SENSIT Relay Node 2G
Part number	9212884 SENSIT Relay Node 2G EU 9212892 SENSIT Relay Node 2G US 9212906 SENSIT Relay Node 2G AU
Dimensions	200 x 170 x 204 mm (7.87 x 6.69 x 8.03 in)
Color	RAL 9006 Aluminum + RAL 7016 Dark grey
Weight	540 gram (12.87 oz)
Protection class	IP65, completely sealed Housing
Material	Aluminum / ASA
Operating temperature	-40 ... +85°C (-40...+185°F)
Storage temperature	-40 ... +85°C (-40...+185°F)
Relative humidity	100% relative humidity, non-condensing
Battery	Replaceable lithium batteries
Expected battery life	5-7 years (under normal usage and normal circumstances / dependent on the environment)
Mounting	Onto a pole or wall, metal mounting bracket included
Suggested mounting height	3 - 6 meters [10 -20 ft] from the floor onto a lamppost or pole.
Pole dimensions	Min. Ø 40 mm (1.57 inch) / max. Ø 150 mm (6 inch)
Communication distances	Gateway - Relay Node 2G max. 35 meters (135 ft) omnidirectional, 50 meters (164 ft) directional Relay Node 2G - Relay Node 2G max. 100 meters (328 ft) Relay Node 2G - SENSIT max. 35 meters (135 ft) omnidirectional, 50 meters (164 ft) directional
Standards	CE, FCC, IC, ACMA
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