

Data and Installation

Wireless Node

(RF-NODE)

GENT
by Honeywell



- Key



- Rivet

The Wireless Node (RF-NODE) is a *plexus* device that is used to extend the range of the wireless network.

Compatibility

The Wireless Node is designed to work with a Loop Radio Transceiver (LRT) connected to a Vigilon device loop. The Vigilon panel must have:

□ MCC ≥ V4.45 and LPC ≥ V4.45

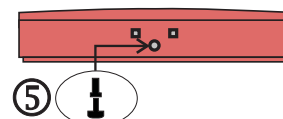
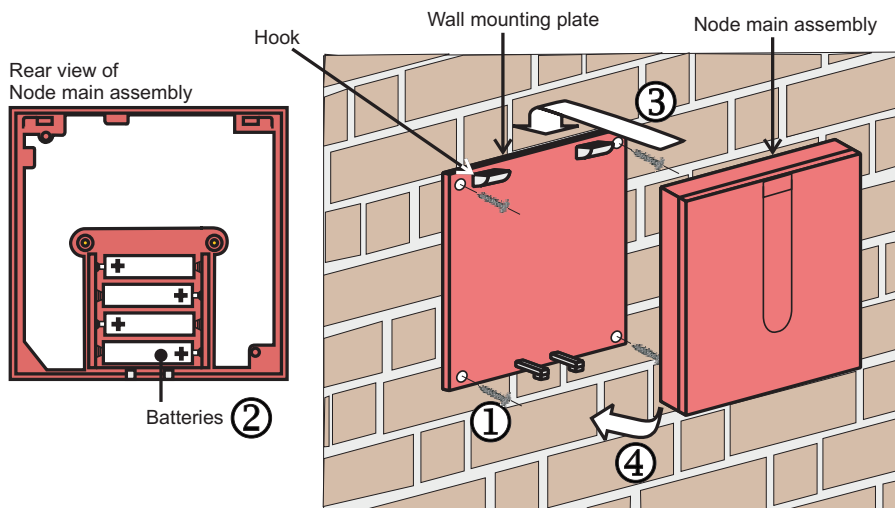
≥ - means equal to or greater than

Batteries

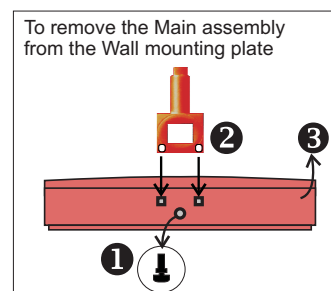
This *plexus* device must only be operated with the approved and recommended batteries
Part No. 805597 - SAFT Batteries LS14500 (pack of 4). The lifetime of the batteries is dependent on the device type, the ambient operating temperature and other area environmental conditions. The batteries can be stored up to a maximum of 3 years from the date of manufacture.

Technical Data

Designed to Standard	EN54-25:2008
Battery	SAFT - 4 x 3.6V Lithium batteries - LS14500
Frequency band	868 MHz SRD (14 Channels)
Range	Up to 100m
Dimensions in mm	135 height x 135 width x 22mm excluding fixing plate
Weight	164g <i>Main assembly</i> 62g <i>Wall mounting plate</i> 16g per battery (4 required)
Colour	Red RAL3020
Enclosure material	PC/ASA plastic
Storage temperature device w/o batteries	-20°C to +60°C
batteries	-20°C to +30°C
Ambient operating temperature	-10°C to +55°C
Relative Humidity	up to 95% - non condensing
Ingress Protection	IP42
Devices per LRT	up to 31 (excludes the LRT)



Pierce a hole in the thinned section of the moulding and insert the black rivet into the hole.



Installation

Do's

- ☐ DO install the Wireless Nodes such that the mounting locations are as per Site Survey and as shown on 'as fitted drawings'
- ☐ DO use all the screw fixing points provided on the *Wall mounting plate* to secure it to a flat wall surface.

Don'ts

- ☐ DO NOT use adhesive to fix the *Wall mounting plate*.
 - ☐ DO NOT install *plexus* devices to include LRTs within 0.3m distance from each other.
 - ☐ DO NOT mix old and new batteries. Always replace the entire battery set.
- a. Detach the *Wall mounting plate* from the *Node main assembly*, see section headed 'Dismantle'.
 - b. With hooks position at the top, fix the *Wall mounting plate* to a flat wall surface using the four fixing points ①. Use all four fixing points.

Commissioning

The *Wireless Node* is programmed to work with an LRT that is wired to a Vigilon Device Loop. The programming is done using the Plexus tool and Vigilon commissioning tool.

- ☐ Connect the LRT to loop and power up
- ☐ Retrieve the factory settings from LRT using the Plexus tool and pre allocate the LRT
- ☐ One at a time power up the *plexus* devices associated with the LRT
- ☐ Pre allocate each *plexus* device with the Plexus tool to work with the associated LRT.

How to power up a Wireless Node

- a. Fit the 4 batteries ② (Part No. 805597) in their correct orientations into the back of the *Node main assembly*.



There is a risk of an explosion if the battery contacts are shorted or if replaced by an incorrect battery type.

- b. The device is now ready to operate.

- c. Hook the *Node main assembly* onto the top two hooks ③ of the *Wall mounting plate* and then close the *Node main assembly* ④ until a click is heard and the unit locks into a closed position.

Maintenance

The remaining capacity of the batteries is checked automatically and a fault is displayed on the panel when the batteries need to be replaced. The batteries must be replaced within 14 days of the fault message.



Disposal of the used batteries must be in accordance with recommendations of the battery manufacturer and local regulations.

Dismantle

To dismantle the *Node main assembly* from the *Wall mounting plate*, insert the key pins into the two openings on the base of the *Node main assembly*. Press the key to disengage the catch and lift open from the bottom side the *Node main assembly* from the *Wall mounting plate*.



At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.



WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre. Do not dispose of with your normal household waste. Do not burn.

Gent by Honeywell reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions or changes.

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