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# **bGrid WSN Sensor node - UNIFY Installation Instructions**

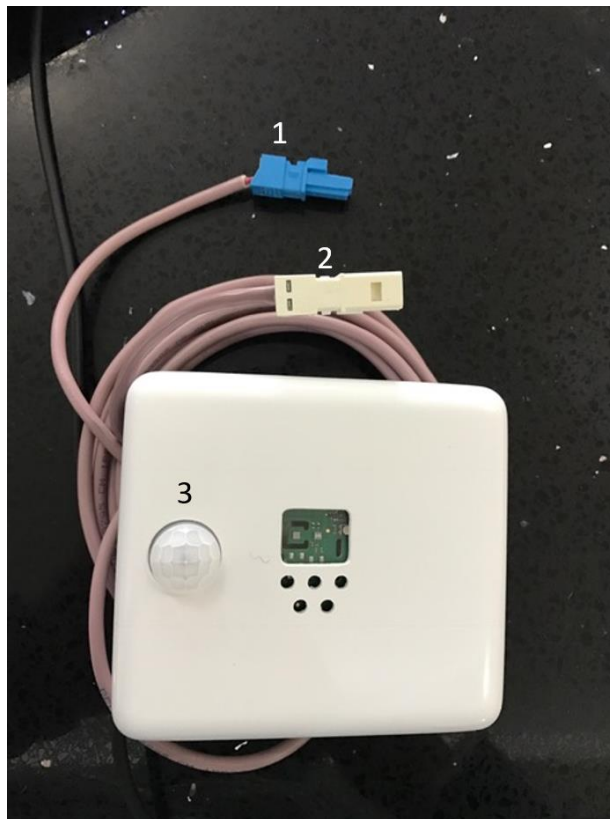
## SENSOR NODES

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Node Types:

1. Standard Node
2. Node + PIR
3. Node + PULSE
4. Node + PULSE/ PIR
5. Standard Node
6. DALI- Node + PIR
7. DALI- Node + PULSE
8. DALI -Node + PULSE/ PIR

The below picture shows an example of node # 6:



- 1 = Blue Dali Connector – Light Interface
- 2 = White Power Connector
- 3 = PIR Sensor

## INSTALLATION

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1. Check on the Floor Plans supplied by Deerns which node goes where. There are 8 types of nodes, these are numbered from 1 – 8. [Insert Picture]. Most Dali cables are 6 foot and some Dali cables are 9 foot. The Dali cables that are 9 foot are marked as can be seen below. [Insert Picture]. *If we have enough cable we should make all dali cables 9 foot.*
2. Each node has a unique ID. This ID can be found on the stickers on the back of the node as can be seen below [Insert Picture]. Take the sheet with stickers of the node. Place one sticker on the Deerns Floor Plan on the place where this node is installed.



3. Use the 2.9 x 6.5 mm screws that are delivered with the nodes to attach them to the brackets.



## FCC STATEMENT

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

"This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter".