

SMN-826

Instruction Manual

WARNINGS

For customer in the U.S.A and Canada

- You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

- 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 or more 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.

- Operation is subject to the following two conditions:
 - 1) This device may not cause interference and
 - 2) This device must accept any interference, including interference that may cause undesired operation of the device.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For customer in Europe

- This equipment has been tested and found to comply with the limits set out in the R&TTE Directive.



- Where you see this symbol on any of our electrical products/packaging in Europe, it means that at end of life the product/battery must be disposed of in accordance with any applicable laws or requirements for the separate disposal of electrical equipment/batteries.
- The manufacturer of this product is CADI Scientific Pte Ltd, 31 Ubi Road 1, #03-00 Aztech Building, Singapore 408694.

PRECAUTIONS

- Connect only recommended power supply to unit.
- Mount unit securely.

USAGE

The SMN-826 SmartNODE transmits LF and UHF signals continuously. It is designed to work with other devices in the SmartSense system.

The SMN-826 contains a PIR motion sensor to detect human presence.

The LF signal starts transmitting continuously on detection of human presence and can be received by some devices such as SmartTAG STG-85x.

The UHF signal is a beacon transmitted every 1 minute to let other devices such as SmartNODE STG-890, for the SmartSense system to know its status.



SMN-890



SMN-826



STG-850



SETUP

The SMN-826 requires external power supply for it to function. This can be provided by a suitable adapter (e.g. 12vdc 1A) as shown.

Adapter 12v



SMN-826





Once plugged in, the SMN-826 will automatically be turned on. When motion sensor has detected human presence, it will blink its LED to indicate operation.

SPECIFICATIONS

Power	12v dc
Power consumption	Max 12VA
External dimensions (excluding maximum projecting parts)	87 x 147 x 41 mm
Mass	Approx. 220 g (0.5 lb)
Operating temperature	20°C - 50°C (68°F - 122°F)
Storage/transport temperature	10°C - 50°C (50°F - 122°F)

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Inputs/outputs	DC connector x1 Terminal block x1
Supplied accessories	None
Transmission frequency	868.4 MHz (For customer in Europe) 919.8 MHz (For customer in U.S.A) 925.0 MHz (For customer in U.S.A) 125 kHz (all regions)

Note: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. (15.21)

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.(15.19(a)(3))