



INSTALLATION GUIDE

Daikin Wireless Communicating Node

INTRODUCTION

The Daikin Wireless Communicating Node works with the SiteLine for Wireless BAS (building automation system). The Node can control a range of HVAC equipment systems including zone dampers, reheats, and economizer controls. It also has multiple relays, inputs, and outputs that enable versatile control of HVAC equipment.

PACKAGE CONTENTS

- Daikin Wireless Communicating Node
- Mounting accessories

SPECIFICATIONS

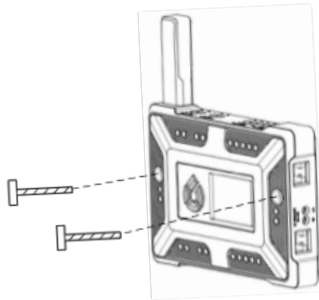
Power	Power Source: 24V AC/DC input (+/- 15%) Peak consumption: 5VA (during Smart Damper calibration). Typical <1VA consumption
Operating range	Temperature: 0 to 122°F (-17 to 50°C) Humidity: 20-85% non-condensing
Compliance	Protection: IP 20, NEMA Type 1 Pollution grade: 2 Certification: ROHS, UL 60730-1 - Automatic Electrical Controls
Communication	915 MHz Mesh IEEE 802.15.4-compliant for communications to CCU Bluetooth: BLE 4.1 for commissioning, triangulation, and communication to wireless sensors 3-wire sensor bus for daisy chained sensor communication and low power 3V DC. 4-wire interface for RS 485 communication @ 115200 baud and 5V DC, 100mA power source
Input	2 x thermistor input. 10K Type 2 or 0-50KΩ resistance 2 x 0-10V analog input. 10K impedance
Output	2 x 0-10V or 4-20mA analog output 2 x 24V DC/1A Relays

PRECAUTIONS

- Failure to wire devices with the correct polarity when using a shared transformer may result in damage to any device powered by the shared transformer.
- Turn off power before installing. Never connect or disconnect wiring with the power turned on.
- Do not run the low voltage wiring in any conduit with line voltage.
- Install in accordance with all state and local codes.

MOUNTING

Mount the Daikin Wireless Communicating Node using two #8 – 1.5" sheet metal screws provided in the box. The controller may be mounted on the chassis of the unit, the duct work, or any secure location.



DAIKIN WIRELESS TECHNICAL SUPPORT

Installations carried out by non-certified technicians/engineers would void warranty.

For more information on wiring, commissioning, or usage of Daikin Wireless products, please refer to any documentation provided with the job. If no documentation was provided with the job, please use the Daikin Wireless Help Center (support.wirelesscontrols.daikinapplied.com) where you can find application specific wiring schematics and helpful user guides and videos

If you need more information, please visit support.wirelesscontrols.daikinapplied.com for instructional videos, installation guides, and more. You can also call +1 866 462 7829 (USA) if you need technical support.

Warnings and Disclaimers

The following compiles a list of warnings and notes associated with the installation and operation of this kit. Make sure to follow these warnings, as well as always having properly trained technicians and electricians, or Daikin-authorized technicians perform work.

Hazardous Information Messages

CAUTION

Cautions indicate potentially hazardous situations, which can result in personal injury or equipment damage if not avoided.

WARNING

Warnings indicate potentially hazardous situations, which can result in property damage, severe personal injury, or death if not avoided.

DANGER

Dangers indicate a hazardous electrical situation which will result in death or serious injury if not avoided.

DANGER

Dangers indicate a hazardous gas situation which will result in death or serious injury if not avoided.

NOTICE

Notices give important information concerning a process, procedure, special handling or equipment attributes.



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.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. **NOTE:** 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. This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and all persons. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CANADIAN COMPLIANCE STATEMENT

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada license-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

REMARQUE: Cet équipement est conforme aux limites d'exposition aux radiations RSS-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.