CB965-4-AD100 Wireless Receiving Door Help Button Programming and Installation Instructions

Introduction

The CB965-4-AD100 is a 1-button help button with external Outdoor Switch which allows delivery drivers or employees to request assistance from outside at the front or rear door. The CB965-4 is a member of the Global Solutions Family, which operates in the 800MHz – 900MHz frequency spectrum. GSF Help Buttons are designed to communicate with Indyme's Smart Response infrastructure.

Programming Parameters

Many of the help buttons are pre-programmed at the factory and labeled with location and address information. If your help button is pre-programmed you can skip ahead to the installation section of these instructions.
The CB965-4-AD100 is shipped in operating **Mode 5**.

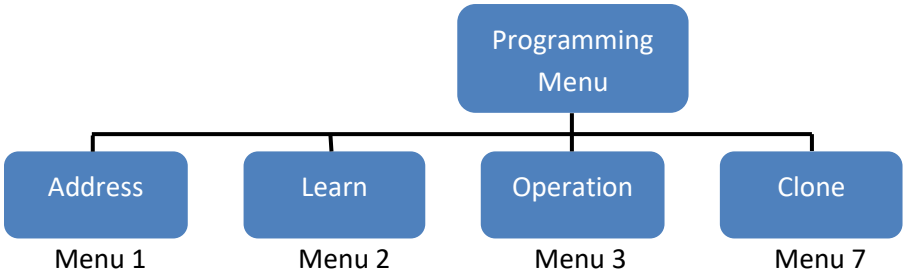
CB965-4 help buttons have four primary programming parameters; Frequency Plan, Netcode, Address and Operating Mode. These MUST be programmed in order to establish communication and ensure proper operation. Identify the parameters for your configuration before you begin programming.
Using the programming instructions below set the following parameters in order.

- Frequency Plan – defines the frequency for your GSF devices.
- Netcode – unique identification code for the installation environment.
- Address – alarm number associated with a control unit alarm event.
- Operating Mode – defines how the help button will respond when activated.

Programming a help button requires a series of button presses. On the CB965-4, **SET is the "large round button"** and **RESET is the "raised button on the bottom".** The assurance **LED ring surrounds the SET button.** This LED ring will flash during programming to indicate your progress.

Help button Programming

Help buttons use a hierarchy-based menu structure. You must enter the Programming Menu first, then select the desired submenu. Each submenu may have one or more options available. These options are used to assign specific operational characteristics to the help button. Review the submenus/options before you begin programming.



Enter the Programming Menu

Press and hold the **RESET** button until the assurance **LED** flashes one time.
Press and hold the **SET** button, until the assurance **LED** flashes two times.
Press and hold the **RESET** button, until the assurance **LED** flashes three times.
The help button is now in the Programming Menu mode, proceed to the desired submenu.

Menu-1: Address Programming

Assigns the help button to a corresponding alarm event programmed in the control unit. A help button address is a four digit number from 0001 to 4095. Leading zeros are required.

After entering the Programming Menu;
Press the **SET** button one time for **Menu-1**, **RESET** once to select.
The assurance **LED** will flash one time to indicate **Menu-1** was selected.
Use **SET** and **RESET** to program the 4-digit address as follows;
SET = digits 1-9, **RESET** = digit 0 and SAVE. Leading zeros are required
For example, programAlarm-0802 as follows:

- Press **RESET** once to represent the zero. **(0)**
- Press **SET** eight times, **RESET** once to save. **(8)**
- Press **RESET** once to represent the zero. **(0)**
- Press **SET** two times, **RESET** once to save. **(2)**

Note: *When the* **RESET** *button is pressed to save the 4th digit, the assurance* **LED** *will flash to indicate the address that was entered. The assurance* **LED** *will indicate digit zero by a long flash. (approximately 1-sec.)*

Menu-2: Learn Mode

Allows the help button to capture the Netcode from another GSF device; (help button or access point). All help buttons and access points must have the same Netcode to communicate.

After entering the Programming Menu;
Press the **SET** button two times for **Menu-2**, **RESET** once to select.
The **LED** will flash twice to indicate **Menu-2** was selected.
The **LED** will then begin flashing. ¼ second on, 1 second off. This indicates that the help button is requesting a Netcode. When the help button receives a Netcode, it will flash the assurance **LED**

rapidly for approximately 3 seconds and then it will exit **Menu-2**. If no Netcode is received within 5 minutes, the help button will exit **Menu-2**.

Menu-3: Operating Mode

Assigns the help button operating characteristics; Operating Modes will vary by help button type, below are the default modes for this help button.

After entering the Programming Menu;
Press the **SET** button three times for **Menu-3**, **RESET** once to select.
The assurance **LED** will flash three times to indicate **Menu-3** was selected.
Press the **SET** button to select a Help button Operating Mode: <1, 2, …>, **RESET** once to save.
The assurance **LED** will flash to indicate the selected Operating Mode.

- **Mode 1 - Standard 3-min timeout, No Reset**
  Press the SET button to trigger the alarm state; the LED will flash for 3 minutes, then extinguish with no reset sent. The RESET button will send a reset signal for the active channel.
- **Mode 2 – Reset only**
  Press the SET button to send a RESET, no Attention LED
- **Mode 3 – Demo mode**
  Does not require infrastructure, no RF sent, Attention LED set to 60 seconds.
- **Mode 5 – External Contact Input**
  Press the external button, or short the normally open contacts, to trigger the alarm state; the LED will flash for 5 minutes, then extinguish with no reset sent. Internal button (set/reset) will send a reset signal for the active channel.

Menu-7: Clone Mode

Allows the help button to broadcast the Netcode to other GSF help buttons. All help buttons and access points must have the same Netcode to communicate.

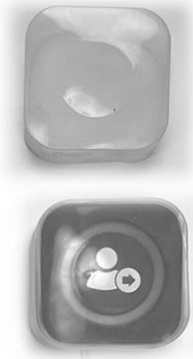
After entering the Programming Menu;
Press the **SET** button seven times for **Menu-7**, **RESET** once to select.
The assurance **LED** will flash seven times to indicate **Menu-7** was selected.
The assurance **LED** will now flash a cadence of 4-pause, 4-pause… etc. The help button will stay in Clone mode for 5-minutes or until the **RESET** button, is pressed.

Installation

The CB965-4 help button uses two 2/3A 3-volt lithium batteries. Always use the same type of battery for optimum performance. *DO NOT use rechargeable batteries in the help button.* To replace the battery, remove the help button from its mounting location, remove the old batteries from the battery holder, and install the new lithium batteries. The help button does not lose the programmed characteristics when the batteries are removed.

Hardware

- (1) Outdoor metal switch box with switch
- (2) #6 x 3/4" Phillips screw
- (2) #6 plastic wall anchor
- (4) #10 Philips screw with plastic anchor
- (1) 8 feet white wire with connector
- (2) 2/3 Lithium batteries
- (1) Silicone dust cover for CB965-4 button



Location Considerations

Help buttons use a low powered transmitter, and operate best with a clear line of sight to the nearest access point. Tall shelving, merchandise and metal signs can block or reduce the help button signals.

Help Button Assembly

The help button can be disassembled using a small screwdriver or a straightened paperclip. Find the slot on the outside of the unit, insert the tool and while gently applying pressure, pull the front cover away from the wall until the cover pops off. The mounting plate will remain in place.

Install the Help button

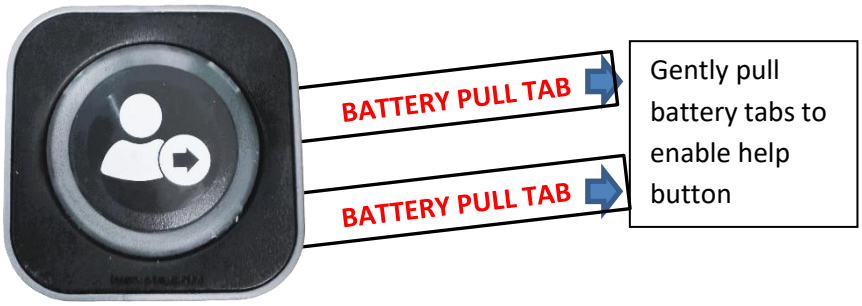
1. Verify help button placement with the Store Manager and according to provided instructions. Determine the best mounting method before installing the help button, verify address programming.
   - Wall Mount
2. The CB965-4 mounting base MUST be used for all installations.

Mounting

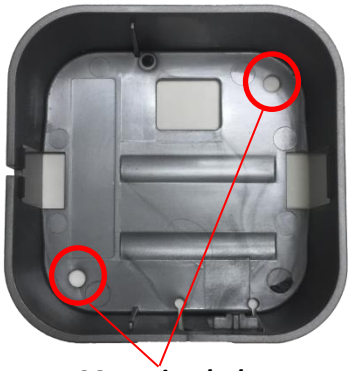
1. Remove the CB965-4 from its packaging.
2. Identify the desired mounting height for the help button, typically 40" – 48" above the floor.
3. Align the mounting plate at that height and selected orientation.
4. If mounting to a solid surface or drywall, disassemble the unit.
5. Mark and drill through the two mounting holes.
6. Insert mounting hardware in the two holes and secure the mounting bracket.
   a. wall anchors and screws if drywall or masonry
   b. screws only for wood surfaces.
7. Insert included batteries paying attention to polarity

8. Align the cover over the base and gently squeeze the tabs and insert it until it snaps into place.
   a. Gently pull battery tabs out to activate the help button.
9. From the final mounting location, press the **SET** button on the help button and verify the appropriate message is broadcast over the desired output device

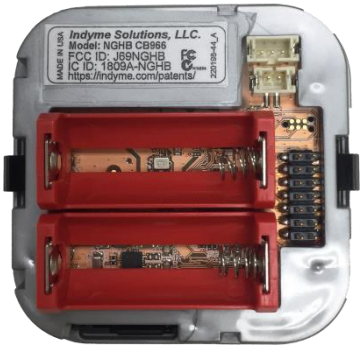
Squeeze tabs while inserting



Pull battery tabs out to enable help button

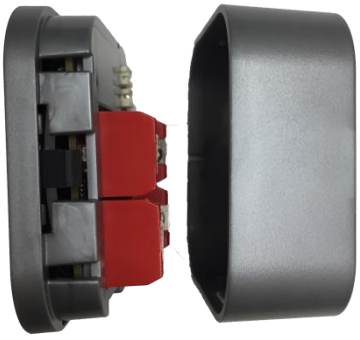


Mounting holes



Battery holders

Batteries Installed

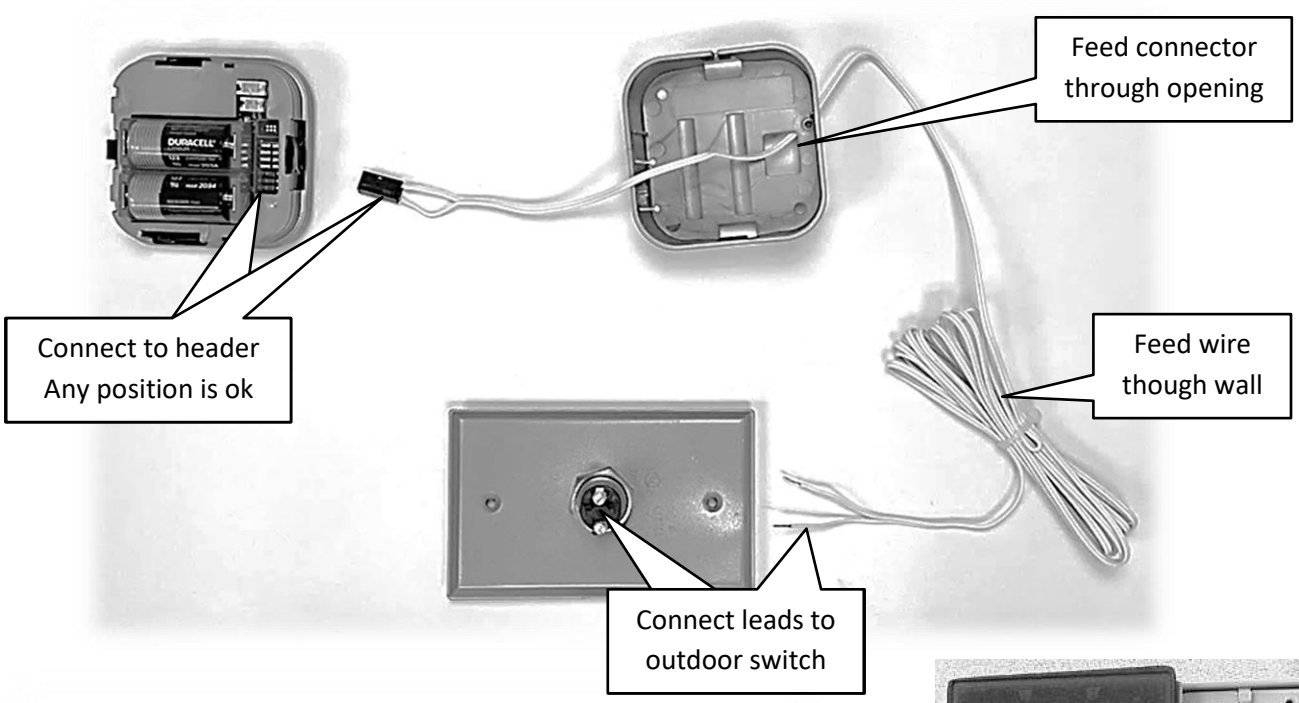


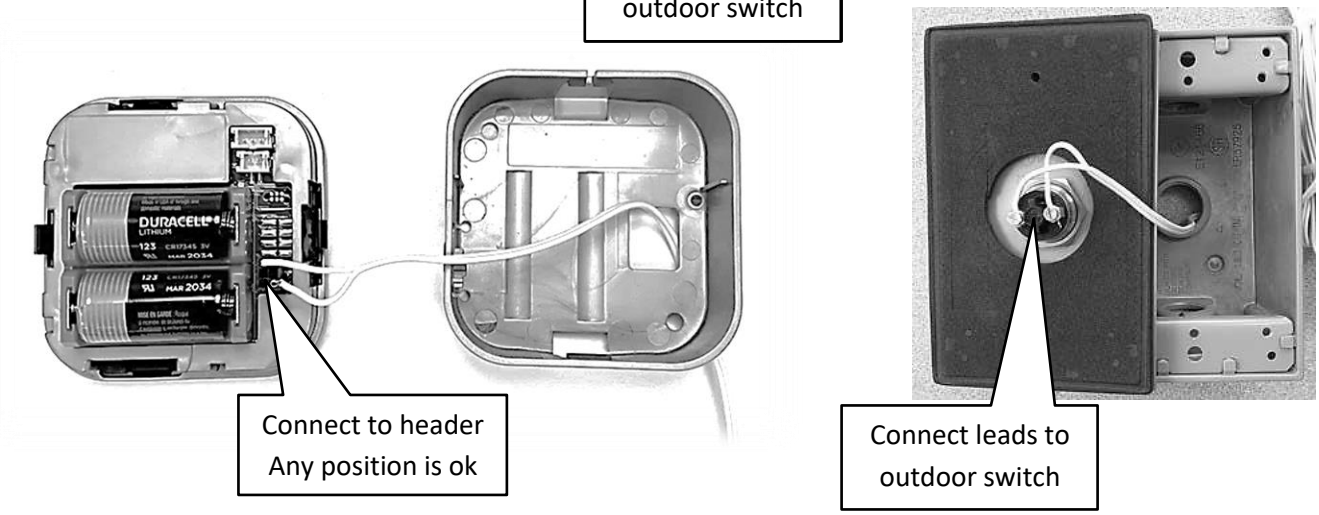
Align cover and base

Insert and press

Snap together

10. Place the external switch on the outside wall and mark the mounting holes on the bracket.
11. Drill two holes to align the external switch with the marked location and the wire pass through hole.
12. Feed the wires into the hole in the back of the external switch box.
13. Secure the switch box to the wall using the correct screws and anchors.
14. Strip ¼" of insulation from the ends of the wires.
15. Secure the wires to the screw terminals on the switch.
16. Secure the switch plate to the switch box.
17. Press the outdoor SET switch to activate the message.
    a. Ensure the proper message is broadcasted to the proper device.
18. Press on the front label to reset the help button.
19. See pictures below.





FCC Notice of Compliance

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.

Industry Canada Notice of Compliance

This device complies with Industry Canada license-exempt RSS standard(s). 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Les changements ou modifications non approuvés expressément par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.

Innovation, Science and Economic Development Canada ICES 003 Compliance Label: CAN ICES-3 (B)/NMB-3(B)