

MODCALL - 5-STOP

Part No. 90-10080720

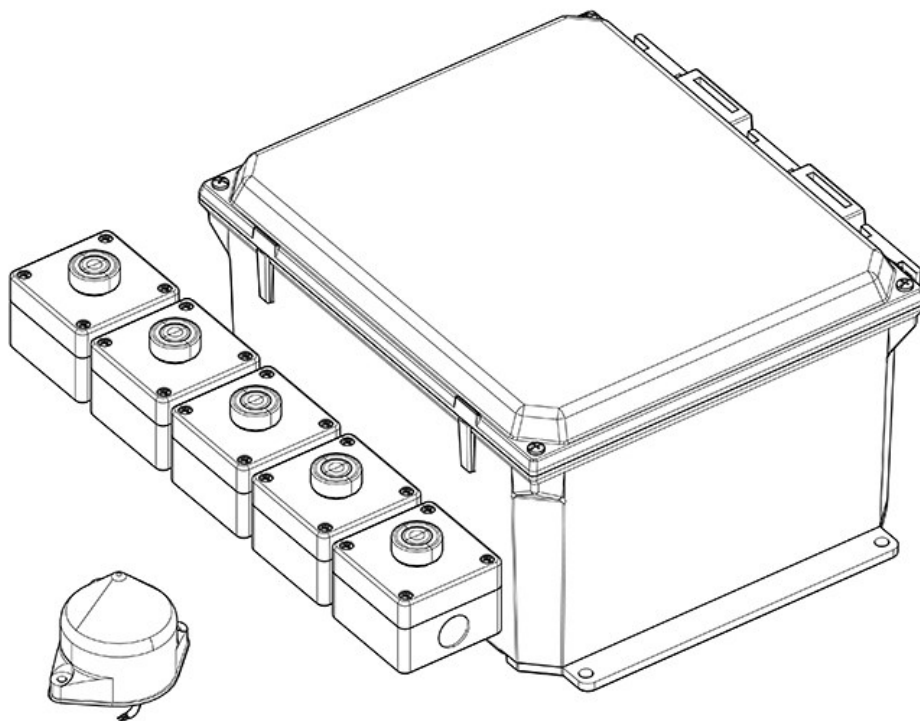


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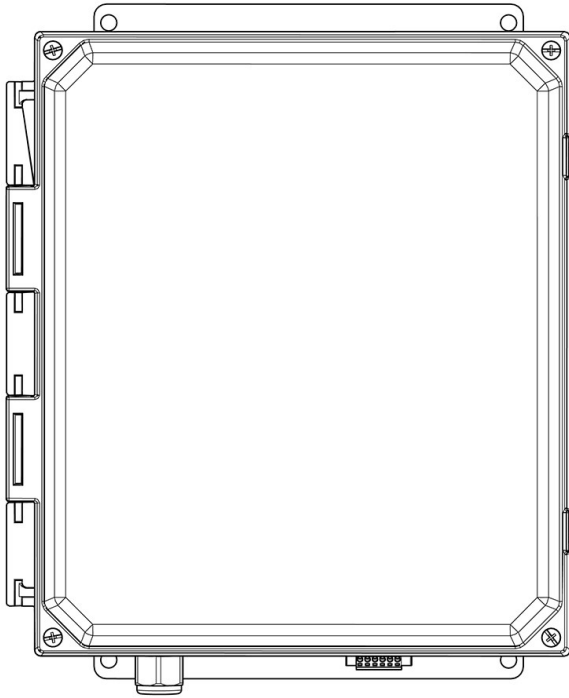
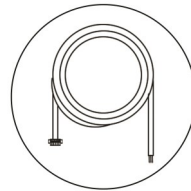
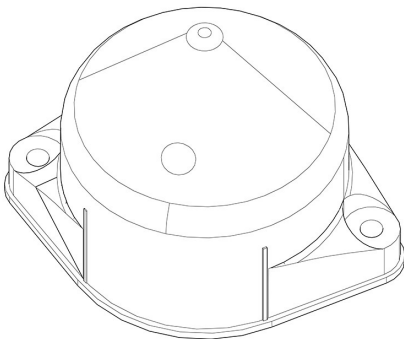
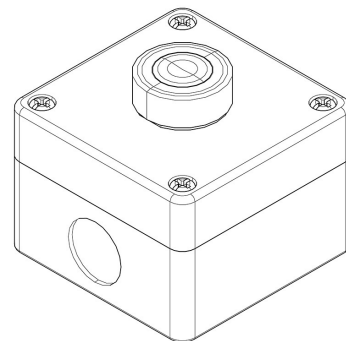
NOTICE

GENERAL WARNINGS

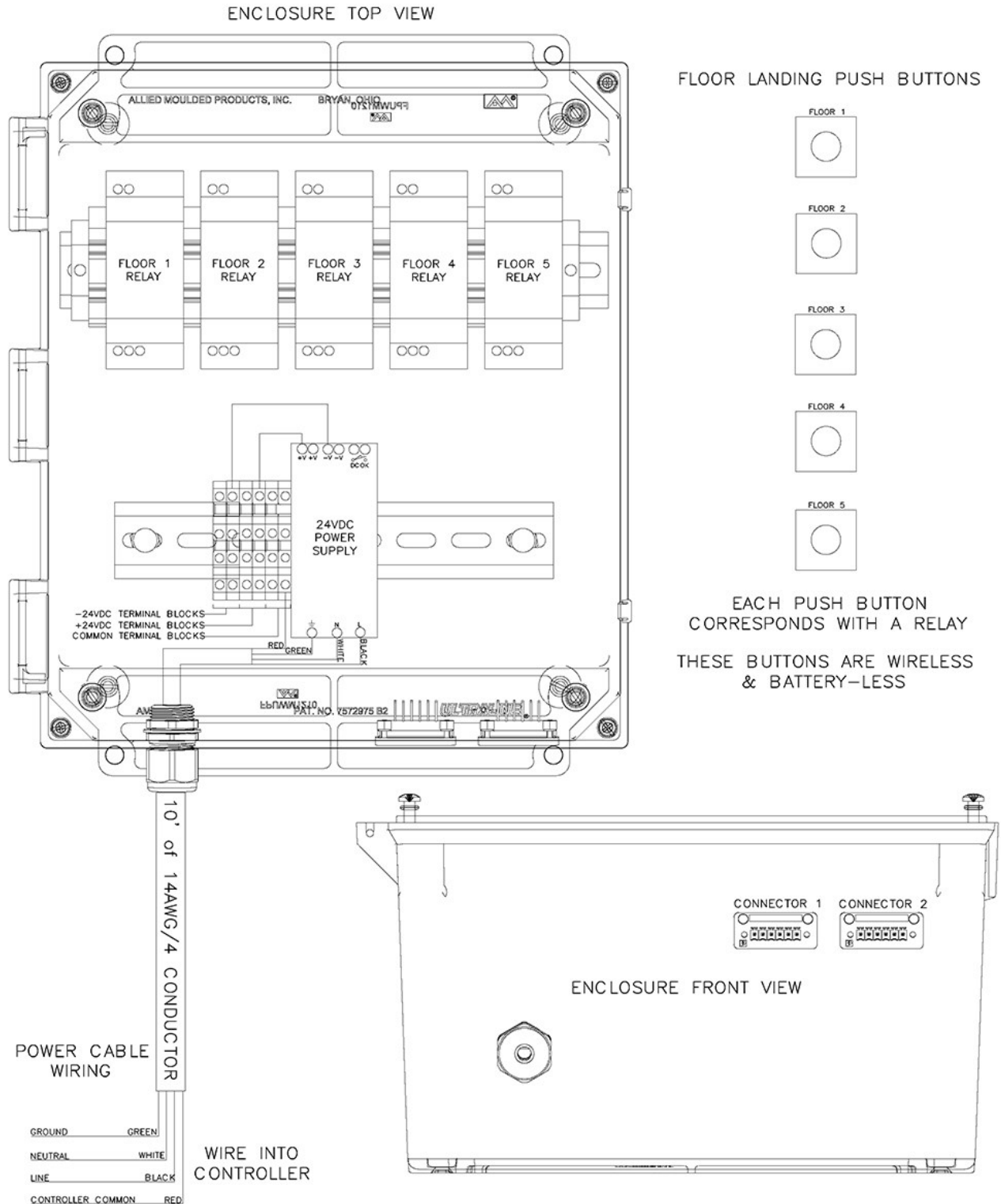
The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation and use of this equipment and is not intended as a substitute for proper training and experience.

This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.

Note: In the effort of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

PACKING LIST**(1) Hall Call Relay Box****(1) Instructions****(1) 10' Cable with
Terminal Block End****(1) Relay Antenna****(5) Single Push Hall Call Buttons**

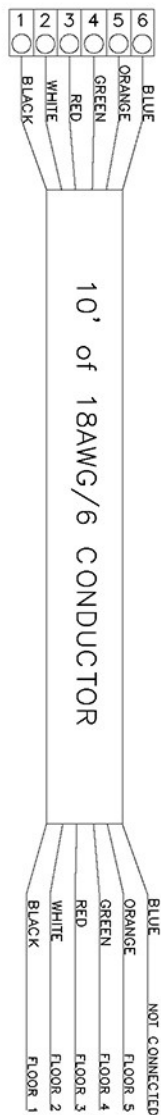
WIRING DIAGRAM



WIRING DIAGRAM

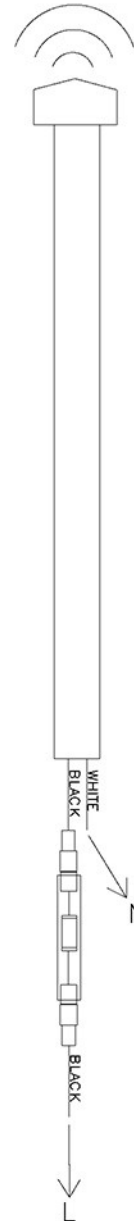
FLOOR INPUT CABLE WIRING

PLUG INTO CONNECTOR 1
FOR NORMALLY OPEN INPUTS,
OR CONNECTOR 2 FOR
NORMALLY CLOSED



WIRE DISCRETE FLOOR
INPUTS INTO CONTROLLER

RELAY ANTENNA WIRING



WIRE 120VAC TO THE RELAY ANTENNA
MOUNT IN THE HOISTWAY NEAR FLOOR 3

EQUIPMENT DESCRIPTION & INTENDED USE

ModCall simplifies elevator modernization by keeping elevators operational while others undergo upgrades. Designed for efficient operation, ModCall features:

- **Wireless, Battery-Free Buttons:** Summon the operational elevator to specific floors quickly and reliably.
- **Hall Call Relay Box:** Connected to building power, it processes button inputs to activate elevator call signals.
- **Relay Antenna:** Installed in the hoistway, it ensures seamless communication between Hall Call Buttons and the Hall Call Relay Box.

ModCall enhances safety and efficiency, ensuring uninterrupted service during modernization projects.

INSTALLATION / ASSEMBLY TOOLS REQUIRED

The following are the minimum required tools for installation:

- Drill and Bits
- Drywall, Masonry, or Wood Screws
- Phillips Screwdriver
- Electrical Wiring Tools - Wire Strippers, Pliers, Multimeter, etc

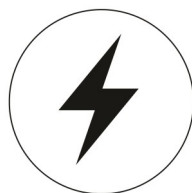
PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

The following PPE is recommended for installation:

- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Steel toed boots
- Safety Vest
- Harness and attached lifeline

INSTALLATION INSTRUCTIONS

Wiring



Diagram

Step 1: Reviewing the Wiring Diagram

IMPORTANT: Review the wiring diagram thoroughly before beginning.

- Connect the Relay Box to the building's power supply and either the controller or the cartop box:
 - Controller Connection: Simulates a hall call activation.
 - Cartop Box Connection: Simulates a car call activation.

Step 2: Mounting the Relay Box

- Determine the placement for the Hall Call Relay Box in the machine room.
- Secure the Relay Box to the wall at the designated points using drywall or wood screws. *(This step can be completed before or after wiring the Relay Box.)*

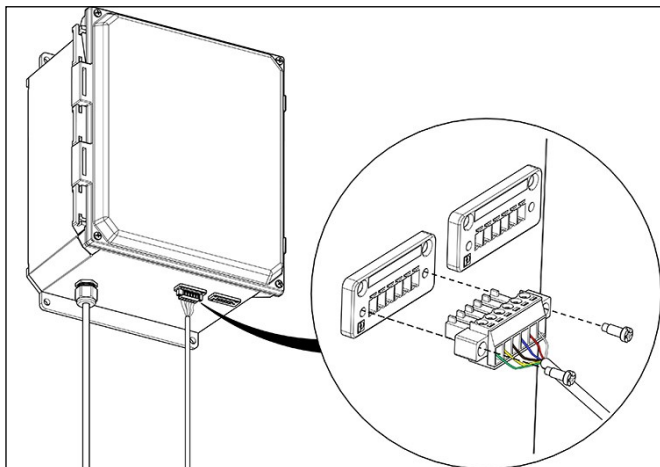
Step 3: Wiring the Hall Call Buttons

- Take the 10-ft cable with the green terminal block and connect it to either the cartop box or the controller, depending on your desired setup.

***NOTE:** Each connection method simulates a different type of car activation:

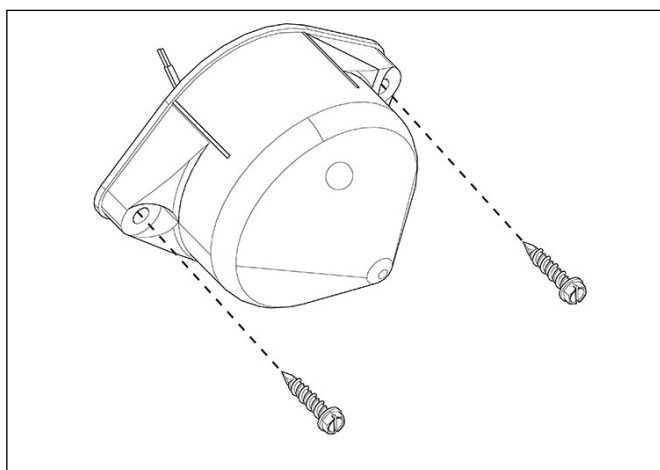
- **Controller Connection:** Simulates a hall call activation.
- **Cartop Box Connection:** Simulates a car call activation.

INSTALLATION INSTRUCTIONS



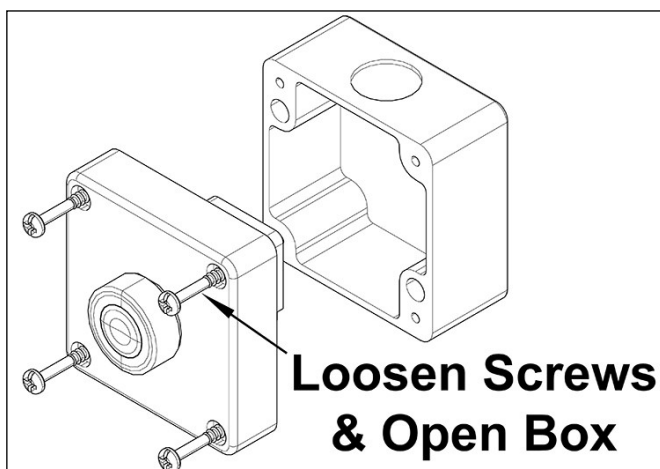
Step 4: Connecting to Relay Box

- Connect the other end of the 10 ft cable to the 6-position terminal block on the Relay Box. From left to right, the cable colors are: Black, White, Red, Green, Orange, Blue
 - For Normally Open Contacts, connect the terminal closest to the power cable.
 - For Normally Closed Contacts connect the terminal furthest from the power cable.
- Secure the connection by tightening the screws on the terminal block.



Step 5: Mounting & Wiring the Relay Antenna

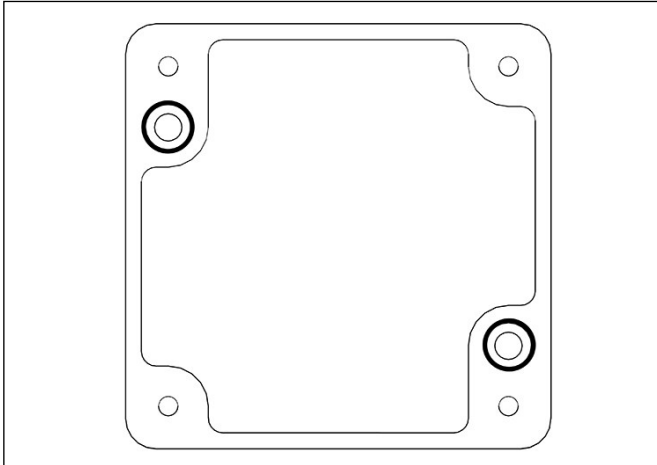
- Check the Wiring Diagram, then wire the Relay Antenna into the 120VAC.
- Mount the Relay Antenna in the hoistway using concrete screws or anchors.
- *NOTE: The relay antenna acts as a repeater for the wireless signals between the Hall Call Relay Box and Hall Call Buttons. For best results, a relay antenna should be placed every 5-6 floors. Building materials can reduce range:
 - Glass Window - 10-20%
 - Plaster Wall - 30-45%
 - Brick Wall - 60%
 - Concrete Wall - 70-80%
 - Metal Structure - 50-100%



Step 6: Mounting the Hall Call Buttons

- Determine placement for the Hall Call buttons (one per floor).
- Loosen the screws on the Hall Call Relay Button and remove the lid.

INSTALLATION INSTRUCTIONS



Step 7: Securing Hall Call Button to Wall

- Mount the Button Box to the wall using two drywall or wood screws.
- Put the lid back on the box and tighten the lid screws.
- Repeat these steps to mount the remaining Hall Call Buttons on each floor.
- ModCall is now ready to use.