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legrand EN1485
Series Enclosures
with Knockouts

legrand EN1485 Series Enclosures with Knockouts Instruction Manual

Contents

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legrand EN1485 Series Enclosures with Knockouts

Enclosures with Knockouts (top and bottom) allow these enclosures to be stacked vertically for expansion and in support of services such as FTTH. Screw-on or hinged covers are available separately.
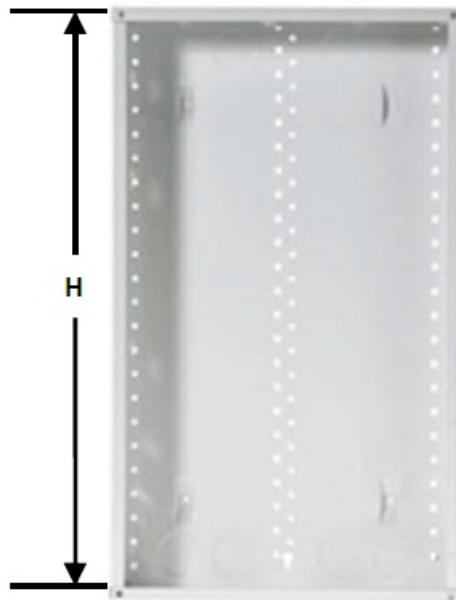
INSTALLATION INSTRUCTIONS

Please read these instructions completely before you begin.

IMPORTANT SAFETY INSTRUCTIONS

When using your enclosure and installed low voltage products such as telephone equipment, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
4. Never push objects of any kind in to this product through cabinet slots as they may touch dangerous voltages.
5. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the

network interface.

6. Separation must be maintained between power-limited, non-power-limited, telco, and coax circuits, as well as between any current-carrying and dead-metal parts, by a minimum spacing of 1/4" inch.

7. Use caution when installing or modifying telephone lines, and never install them during a lightning storm.

8. Never install telephone jacks in wet locations unless they are specifically designed for such installations.

9. Receptacle box employed must be UL Listed and appropriate per the enclosure installation, i.e. flush-mount vs. surface mount.

10. Enclosure covers must be installed prior to the application of energized services.

11. Low-voltage modules must be supplied power via the use of a UL Listed, Class 2 plug-in power supply.

12. Unused cable entry holes require a knock-out seal to reduce the risk of electric shock, installed prior to the application of energized services.

13. Any unused 110VAC receptacles must be covered.

NOTE: These enclosures are only compatible with UL Listed Household Fire and Burglary Alarm System Unit sub-assemblies as indicated in the control unit's installation instructions.

Enclosure Physical Installation

Locate enclosure centrally inside the house in a low humidity, climate controlled (0°C / 32°F – 50°C / 122°F), non-flooding area.

Surface Mounting

Typically mounted to plywood backboard by first hanging from keyhole opening and marking and drilling any rear-access knockouts if cable access is from rear.

Use indicated mounting holes for permanent mounting with wood screws.

Rear Access Knockouts

Keyhole opening

Mounting Holes
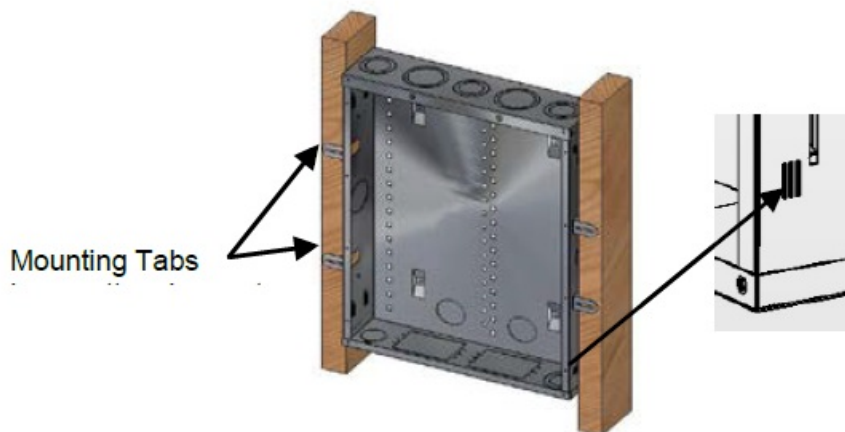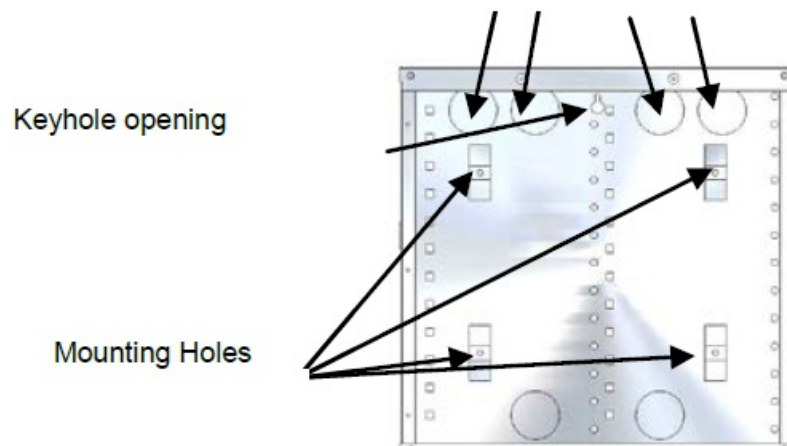
Mounting Tabs

Recessed Mounting between 16" on-center studs
For 1/2" drywall, bend side tabs out and secure to studs with screws, or position enclosure to desired depth using embossed depth marks and screw to studs from inside enclosure

Running Power to the Enclosure

AC power needs to be run to the enclosure when installing any module that requires AC or DC power to operate. A low-voltage UL listed, Class 2, plug-in power supply is required when using these modules. Low voltage power options are available from your Legrand distributor. Remove knock-out in the bottom of the enclosure. Install a single-gang metal outlet box. Run a length of nonmetallic power cable to the enclosure for connection of a standard 15 amp, 120 volt power receptacle (available as a kit from Legrand as P/N F7526). The ground cable is to be routed from the enclosure to the house electrical ground. The ground screw is located inside the bottom of the enclosure.
Note: Separation of circuits must be maintained and electrical wiring must comply with the National Electric Code (NFPA 70), Canadian Electric Code, and all applicable state or local codes.

Duplex Receptacle   Duplex Receptacle Coverplate

Ground Lug

Electrical Outlet Box
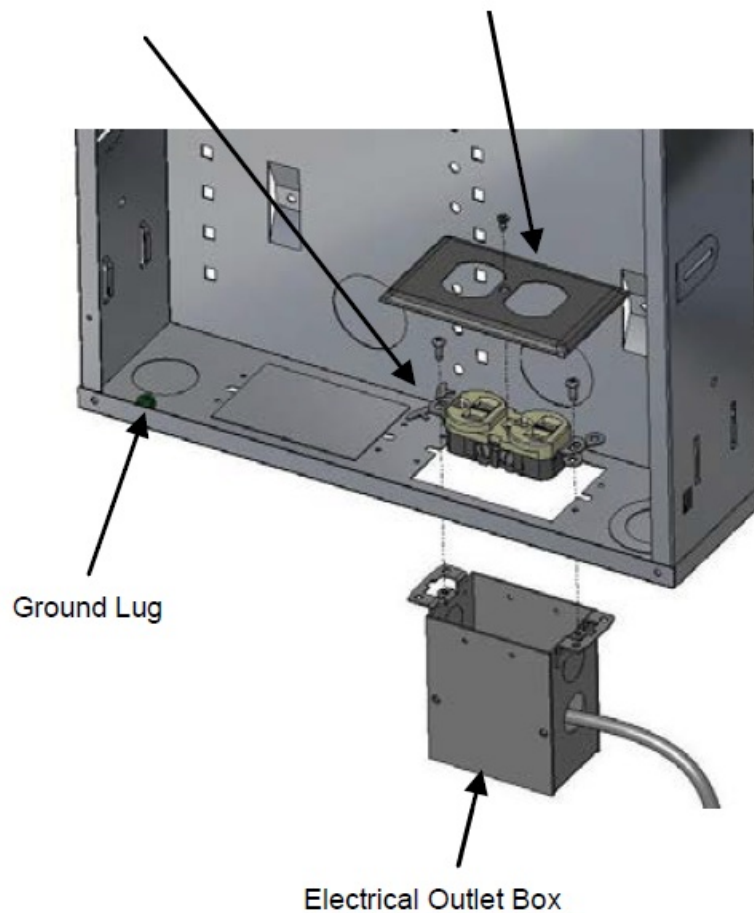
Cable Rough-In

All cabling to and from the enclosure is low voltage class 2 or communication cables. All code and good wiring practices should be maintained, such as maintaining separation from power and using proper cable retention. The next section describes rough-in at the enclosure.
NOTE: The enclosure must be grounded. Use a minimum of 14 AWG copper wire to connect the ground lug to earth ground. Electric ground shall be considered at the same potential as earth ground.

Telephone Rough-In

1. Install Category cable (depending on application) from the enclosure to the telephone company network interface device (NID). Label cable near entry to the enclosure and at outlet location.
2. Install Category cable (depending on application) from the enclosure to each of the outlet locations. Label cable near entry to the enclosure and at outlet location.
3. Position and secure cables to comply with codes and good wiring practices to ensure cables are not damaged during construction.
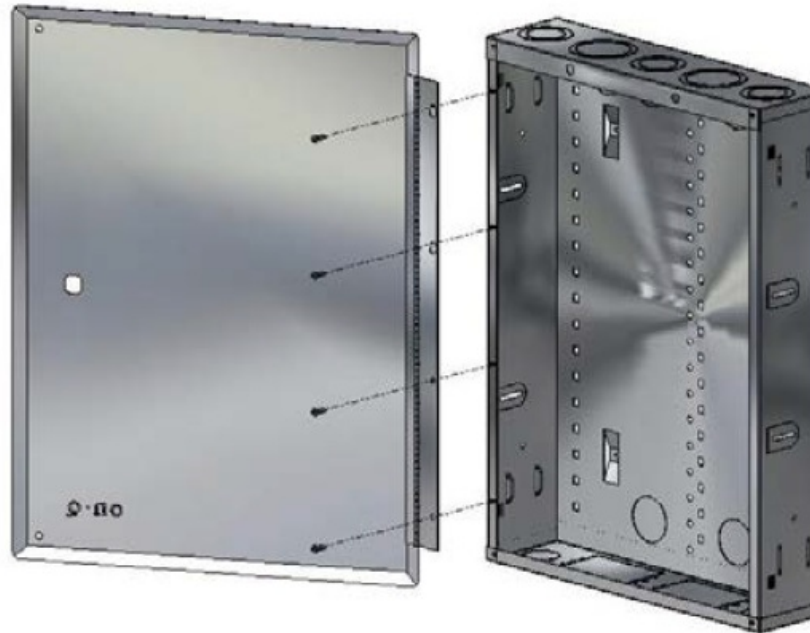
Screw-on Cover Installation

NOTE: Only use Legrand covers with the enclosure. Covers must be matched to the proper size enclosure.

- Partially install the top two (2) screws in the enclosure.
- Hang the screw-on cover on the two partially installed screws using the keyhole openings in the cover. The cover should hang freely and fit up against the enclosure; if not, check to see if cables are outside the enclosure or check to see if cables are being pinched.
- Install the remaining two screws with lock washers, and tighten.
- Remove the top two screws and reinstall with lock washers. Tighten the screws.
- NOTE: Screws must be installed with lock washers to ensure proper cover grounding. The screws and lock washers must be installed to ensure the cover is electrically grounded to the enclosure.
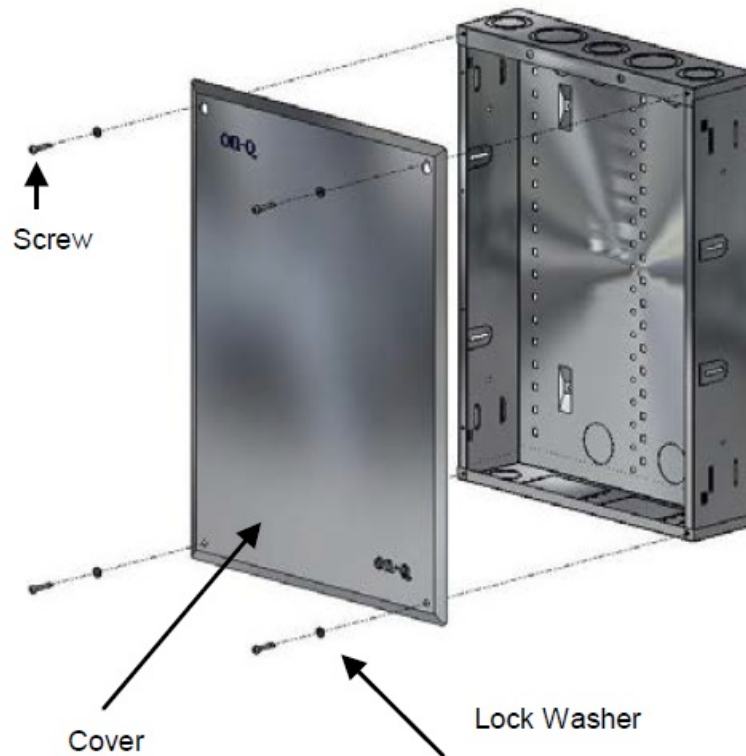
Hinged Cover Installation

- Partially install two (2) hinged cover mounting screws in the top two holes on the enclosure.
- Hang the hinged cover on the two partially installed screws using the keyhole openings on the hinge. The cover should fit up against the enclosure (surface mount) or the wall (recessed mount). If the cover does not fit properly, check that the cables are not being pinched, or that the lock is not in the locked position.
- Install the remaining hinge screws with lock washers.
- Remove the top two screws and reinstall with lock washers. Tighten the screws.
- Lock hinged cover if desired.

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FAQ

- **Q: Can I stack multiple enclosures vertically for expansion?**
  A: Yes, enclosures with Knockouts (top and bottom) allow these enclosures to be stacked vertically for expansion and support services like FTTH.
- **Q: Are screw-on and hinged covers included with the enclosure?**
  A: No, screw-on or hinged covers are available separately for purchase.

Documents / Resources

legrand EN1485 Series Enclosures with Knockouts [pdf] Instruction Manual
EN1485, EN2085, EN2885, EN4285, EN1485 Series Enclosures with Knockouts, EN1485 Series, Enclosures with Knockouts, with Knockouts, Knockouts

References

- **Legrand CA | Delivering and Managing Power, Light, and Data**
- **Legrand US | Delivering and Managing Power, Light, and Data**
- **User Manual**