DELLA®

Air Conditioner Disconnect

Instruction Manual

Warning and Safety

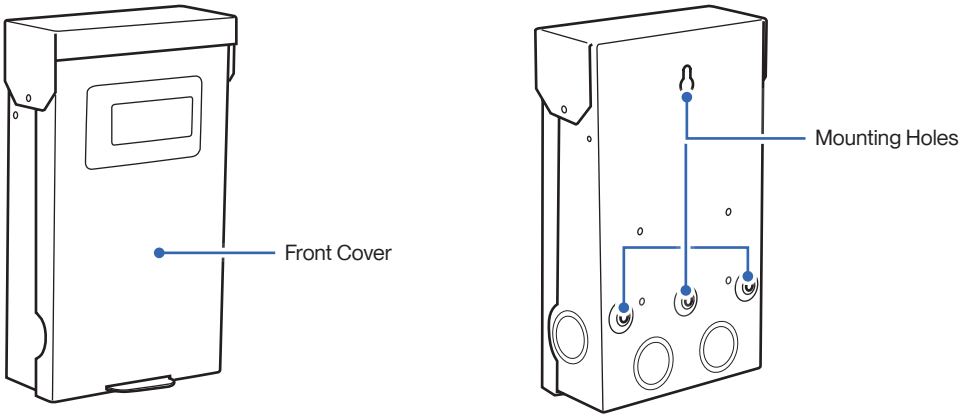
- Read this guide before installation. Failure to follow the safety instructions may result in property damage or serious injury.
- Please Keep this manual.

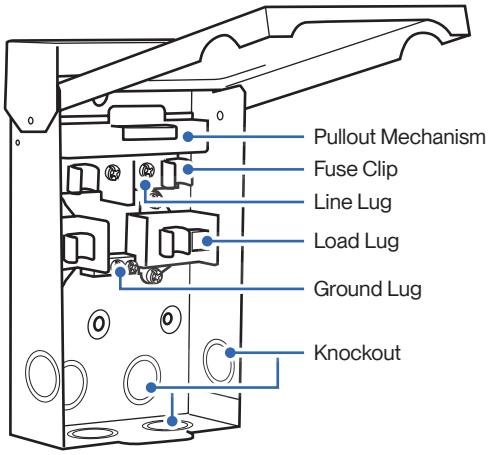
⚠ Warning



- Electric shock hazard. Voltage or current hazard. Failure to follow these instructions could result in serious bodily injury or death.
- Most electric product related incidents are caused by failure to observe basic safety rules or precaution. Users and Installer must be alert to potential hazards.
- This product must be installed by a qualified electrician. This would include a through understanding of the requirement of NFPA70: National Electrical Code® and all state and local codes.
- Ensure electricity from the circuit protective device is compatible with the rating of the air conditioner disconnect.
- Always test the feeder cable with a voltage tester and ensure power is disconnected before working on the disconnect device.

Product Overview





Installation Instruction

Tools Needed (Not included)

- Cable Stripper
- Fish Tape
- Hacksaw / Pipe Cutter
- Hammer
- Spirit Level
- Voltage Tester
- Pliers
- Continuity Tester
- Screwdriver
- Measuring Tape
- Torque Wrench
- Utility Knife
- Drill and Bits
- Electrical Cable (of correct size, type, and length)
- Mounting Screws
- Electrical connectors / couplings

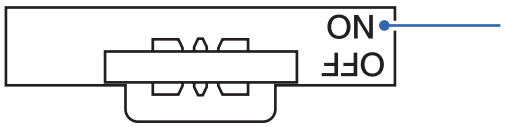
Installation

1. Open the front cover and slide it into the retaining slot to keep it open.
2. Pull the handle on the pullout mechanism and remove the deadfront barrier. Keep these parts as they have valuable information and must be re-installed later in order to complete the installation.
3. Use a screwdriver and hammer to remove knockouts according to your installation. The knockouts can accomodate 1/2", 3/4" and 1" conduit connector. Make sure to use a conduit connector on the knockout and protect the electrical cable from any sharp edges.
4. Pass the electrical cable through the conduit connector into the disconnect box.
5. Mount the disconnect box to a wall by screwing screws through the pre-drilled holes on the back of the box.
6. Install class H or class K fuse (not included) between the line lug and load lug. Make sure the fuse sit securely on the fuse clip.
7. Connect the feeder cable from the circuit box to the line lug and the power cable from the air conditioner to the load lug. Make sure to connect the ground wires to the groung lugs. Follow the torque values for the wire installation.

Lug Specification (60/75°C AL-CU Wire)					
Wire Size (AWG)				Connector Torque (lb-ft)	
Line / Load		Equipment Load			
CU	AL	CU	AL	Line / Load	Equipment Load
14	/	14	/	35	20
10 - 12	10 - 12	10 - 12	10 - 12	35	20
8	8	8	8	40	25
6 - 4	6 - 4	6 - 4	6 - 4	45	25
3	3	/	/	50	/

NOTE: Failing to use the correct cable or secure in required torque may cause the equipment to overheat.

8. Ensure every components are secured in place, and then re-install the pullout mechanism into the disconnect box to complete the circuit. (ON marking on the pullout mechanism needs to be in the top position)



"ON" marking on top means the circuit is live

© Della All rights reserved.

www.dellahome.com
support@dellahome.com
800–863–4143
6:00 a.m. – 4:00 p.m. PST Monday – Friday

The design and specifications are subject to change without prior notice for product improvement. Any updates to the manual will be uploaded to the della website.