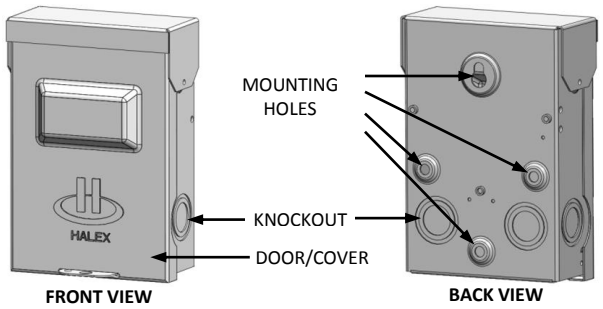
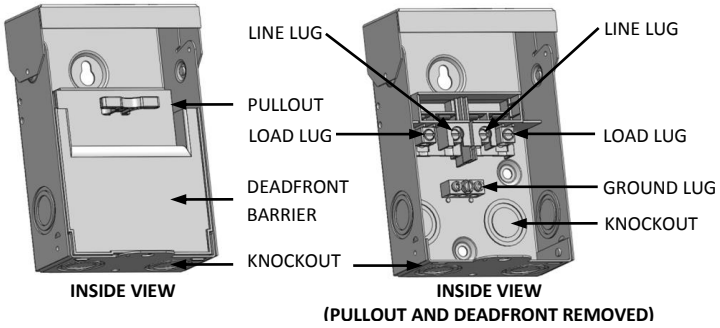
HNF60R INSTALLATION INSTRUCTIONS
AIR CONDITIONER DISCONNECT
120/240VAC, 60A, NON-FUSED

READ THIS MANUAL BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THE INSTRUCTIONS AND SAFETY PRECAUTIONS IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH. KEEP THIS MANUAL FOR FUTURE REFERENCE.





WARNING **Electric shock hazard. Voltage or current hazard, follow these instructions or it could result in serious bodily injury or death**. Most electric product-related incidents are caused by failure to observe basic safety rules or precautions. You must be alert to potential hazards. Halex cannot anticipate every possible circumstance that might involve a potential hazard.
Therefore, the warnings in this manual are not all inclusive.

- Ensure electricity from the circuit protective device is compatible with the ampere rating of the Air Conditioner Disconnect.
- Connect the feeder cable running between the Air Conditioner Disconnect and power source to the Air Conditioner Disconnect.
- Always test the feeder cable with a voltage tester before starting work to confirm power is disconnected.

GENERAL
A qualified installer must be used to install this product. A qualified installer must have the ability equivalent to a licensed tradesman in the field of electrical installation. This would include a thorough understanding of the requirements of NFPA 70: National Electrical Code® and all local codes.

TOOLS
May include, but may not be limited to, the following:

- Cable stripper
- Fish tape
- Hacksaw or pipe cutter
- Hammer
- Level
- Voltage tester
- Lineman's or cutting pliers
- Continuity tester
- Needle nose pliers
- Screwdriver
- Tape measure
- Torque wrench
- Utility knife
- Drill and bits

ELECTRICAL SUPPLIES NEEDED

- Correct size, type and length of electrical cable for the installation.
- Appropriate electrical fittings for the situation (i.e. connectors, couplings).
- Mounting screws or nails as appropriate for the mounting surface.

INSTALLATION STEPS
The installation must conform to these instructions and the local code authority having jurisdiction and the requirements of the power company. In the absence of code requirements follow NFPA-70 (latest edition) National Electric Code. The Code which may be ordered from:
National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269

1. OPEN DOOR
Lift door lid and slide into retaining slot to keep open.

2. REMOVE THE PULLOUT MECHANISM
Pull on the handle to remove the pullout mechanism.

3. PREPARE BOX FOR WIRING
Wiring enters and exits through the round knockouts provided on the sides, bottom and back of the box. The knockouts can accommodate 1/2", 3/4", and 1" conduit and cable. Use a screwdriver and hammer to remove the exact number of knockouts needed for the installation. Secure the wiring to the box and protect it from sharp edges using appropriately rated electrical connector fittings.

4. MOUNT THE BOX
Use the pre-drilled holes on the back of the box to mount the unit. Ensure the box is secure and fasteners do not pull through the mounting holes and substrate.

5. TERMINATE WIRES INTO LUGS
Incoming wires from the branch circuit feeder terminate into the LINE lugs. Outgoing wires to the air conditioner unit terminate into the LOAD lugs. The ground wire terminates into the GROUND lug mounted on the box below the LINE and LOAD lugs.

The following are the acceptable cable ranges and required torque values for the LINE, LOAD and GROUND wire installation

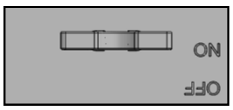
NOTICE

Failure to properly secure the cables may cause equipment damage due to overheating.

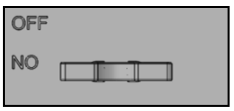
LUG SPECIFICATIONS (60/75°C AL-CU WIRE)					
WIRE SIZE (AWG)				CONNECTOR TORQUE (LB-IN)	
LINE/LOAD		EQUIPMENT GROUND			
CU	AL	CU	AL	LINE/LOAD	EQUIPMENT GROUND
14	-	14	-	35	20
10 – 12	10 – 12	10 – 12	10 – 12	35	20
8	8	8	8	40	25
6 – 4	6 – 4	6 – 4	6 – 4	45	35
3	3	-	-	50	-

6. FINISH INSTALLATION
CAUTION

ENSURE ALL COMPONENTS ARE PROPERLY SECURED IN PLACE BEFORE ENERGIZING THE UNIT. Replace the deadfront barrier and the pullout mechanism, and close and secure the door. The **ON** marking on the pullout mechanism in the top position indicates correct orientation for power. Assure that the pullout is pushed in as far as possible for full engagement.



'ON' POSITION



'OFF' POSITION

The Halex Company
23901 Aurora Road
Bedford Heights, Ohio 44146
(800) 749-3261