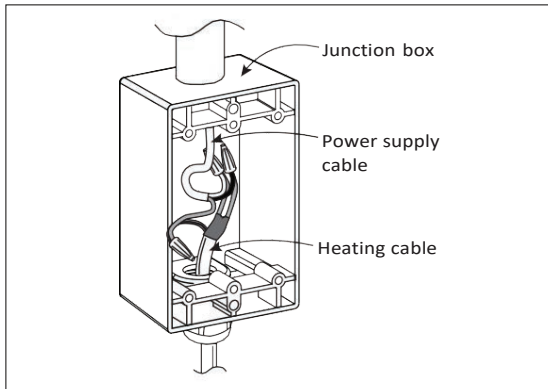


HTW Connection Kits Installation Instructions

HTW101

Hard-Wired Power Connection Kit



Description

- HTW101 is a hard-wired power connection kit for use with HTW self-regulating heating cables.
- The enclosed kit includes materials for one power connection.
- HTW101 is used to connect HTW heating cable into an electrical junction box for direct wiring and allows a maximum circuit breaker size up to 40A.
- If the junction box is metal it is required to be bonded to ground per NEC and/or CEC.

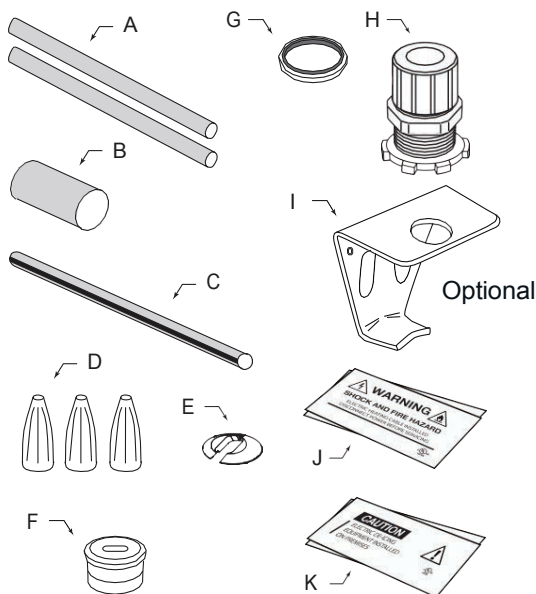
Tools Required

- Utility knife
- Heavy duty scissors
- Needle nose pliers
- Heat gun
- Screwdriver
- Wire stripper

Additional Materials Required

- Junction box:
 - All components must be listed for the US and certified for Canada
 - 120/240 volt with suitable approval for the specific location.
 - 1/2 inch NPT thread compatible.
 - Rated for outdoor use.

Kit Contents



Item	Description	Dimension	Qty.
A	Heat shrink tubes (Black)	0.15×5.5 in.	2
B	Heat shrink tube (Black)	0.47×1.5 in.	1
C	Heat shrink tube (Green/Yellow)	0.16×6.5 in.	1
D	Wire nuts		3
E	Nylon washer (Blue)		1
F	Black grommet (Silicon)		1
G	Sealing ring		1
H	1/2" NPT Nylon gland with lock nut and gland cap		1
I	Pipe mounting bracket (optional)		1
J	Warning label for pipe installations		2
K	Caution label for roof installations		2

Installation Instructions

Hard-Wired Power Connection Kit

1

Gland cap
Nylon washer (E)
Black grommet (F)
Heating cable

- Disassemble Gland (H).
- Replace existing washer and grommet with items E and F provided.
- Slide the gland cap, Nylon washer (E) and Black grommet (F) onto heating cable as shown.

2

- Gently score around and down outer jacket.
- Remove outer jacket.

WARNING: DO NOT DAMAGE BRAIDING

3

- Push braiding back to loosen braid.
- Gently spread apart braid as shown.
- Bend heating cable and pull through the opening in the braid.

4

- Twist braid into pigtail on one side of heating cable.
- Gently score down and around the **inner jacket**.
- Bend and break jacket at score; peel off inner jacket.

5

- Using scissors or knife, carefully remove cable core between the two main bus wires. Remove core material as illustrated in Step 6.
- If you prefer, you may remove all core material off each bus wire.

6

- Strip cores at the end of bus wires to the proper length (.5 inch).

Installation Instructions

Hard-Wired Power Connection Kit

7

Heat shrink tubes (A)

5.5 in.

6.5 in.

Heat shrink tube (C)

8

Heater

- Slip Black tubes (A) over bus wires.
- Slip Green/Yellow tube (C) over braid pigtail.
- Shrink all three tubes by using heat gun continuously from side to side.

9

- Slip shrink tube (B) over the end of heating cable as shown.

1.5 in.

Heat shrink tube (B)

10

Heater

Adhesive

- Using heat gun, shrink tube (B) evenly until adhesive flows out from both ends.

11

Pinch here

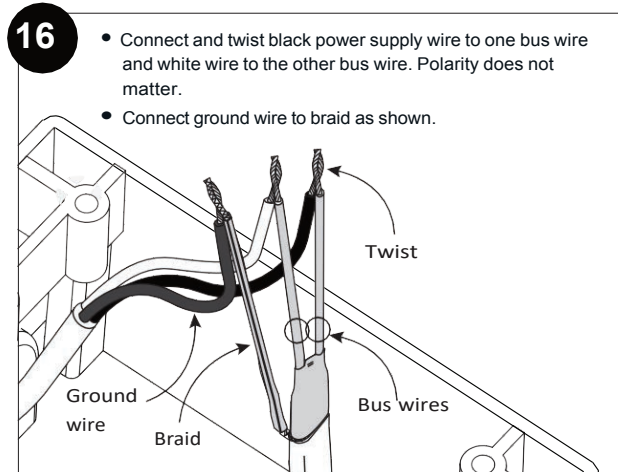
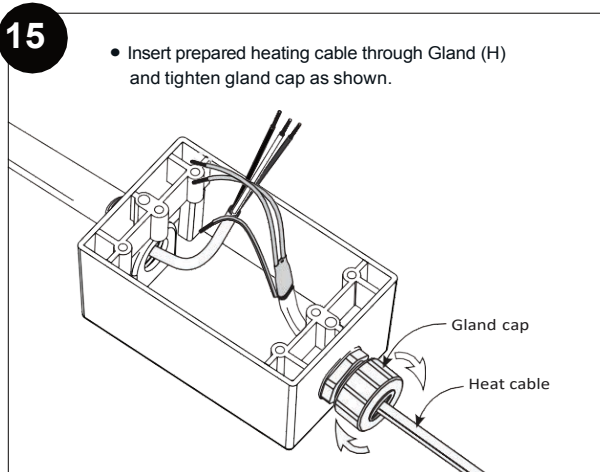
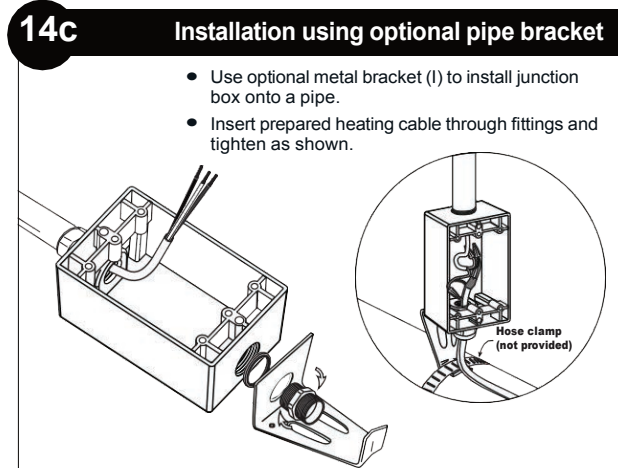
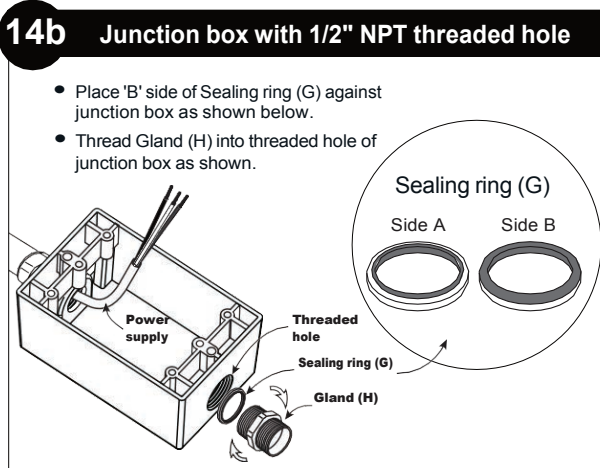
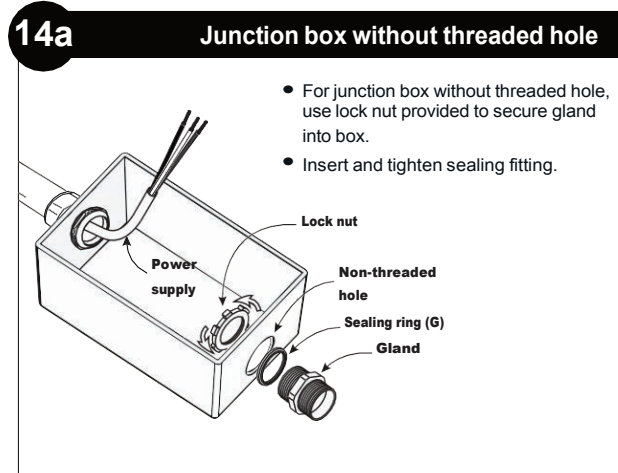
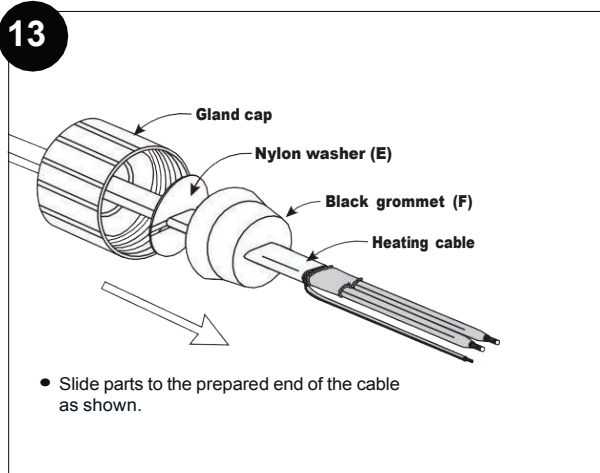
- Using needle-nose pliers, immediately pinch the tube between the bus wires for 10 seconds until sealed.

12

- Heating cable is now prepared for connection.

Installation Instructions

Hard-Wired Power Connection Kit



Installation Instructions

Hard-Wired Power Connection Kit

