

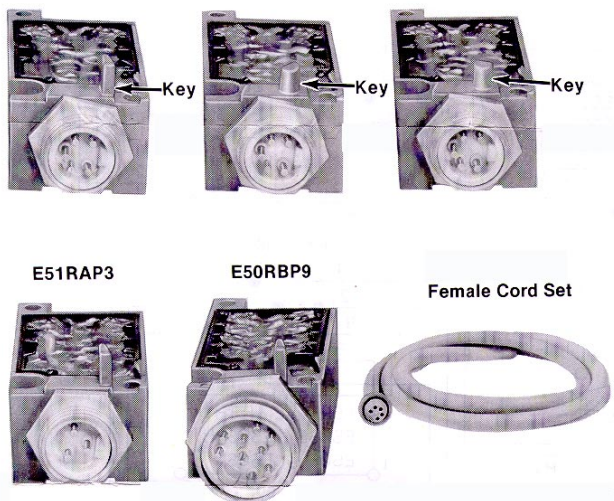
Installation Instructions — E50/E51 Receptacles with Pin-Connectors

DESCRIPTION

Each device consists of a die-cast enclosure with either 3, 5, or 9 wiring terminals wired to a mini-change pin connector. The entire die-cast enclosure is completely epoxy-potted. An Eaton Cutler-Hammer business unit trademark is attached to and is visible on the epoxy. This logo identifies the device as having been manufactured by Cutler-Hammer and assures you are receiving a quality Cutler-Hammer product.

FUNCTION

To serve as a wiring base for E51 proximity and photoelectric sensors and also E50 limit switches. The switch body and receptacle are both keyed to assure proper assembly. The following is a list of E50/E51 receptacle with pin-connectors and the switch bodies that mate them.

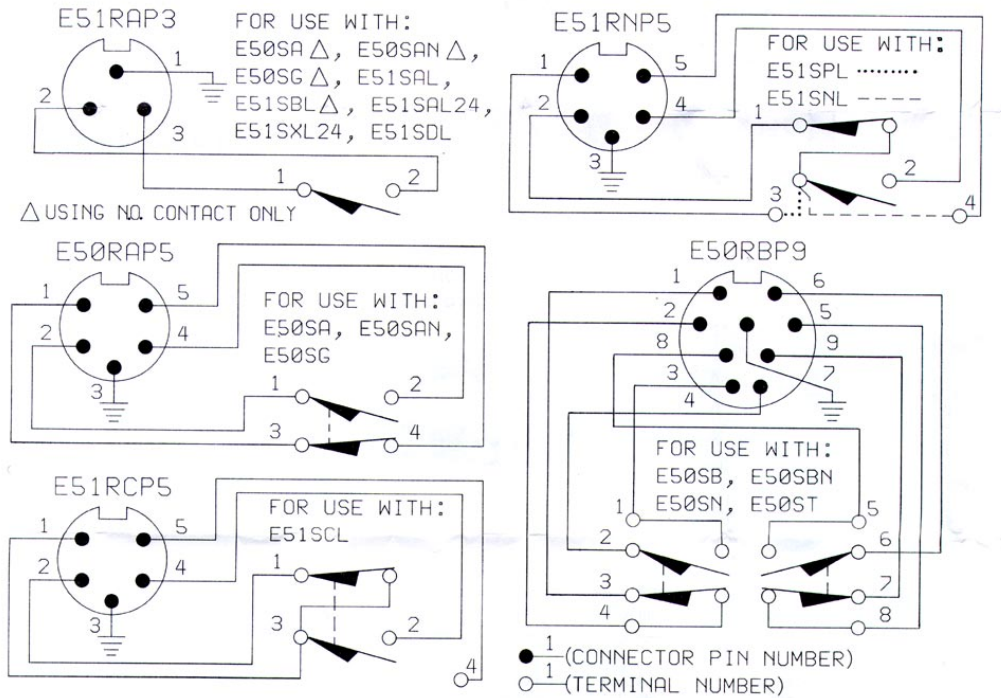


NOTE: The 50RAP5, E51RCP5, E51RNP2 all have 5-pin connectors. The difference among them is the wiring sequence of the connector pins to receptacle terminals and the keys. The keys are pictured above.

C-H RECEPTACLE	C-H SWITCH BODY	C-H CONNECTOR	LENGTH	WIRE #	COLOR
E50RAP5	E50SA E50SAN E50SG	E57KYED127-6	6 feet	1 2 3 4 5	White Red Green Orange Black
E50RB9	E50SB E50SBN E50SN E50ST	CSAS9D9CY1602	6 feet	1 2 3 4 5 6 7 8 9	Orange Blue Red - Black Tracer Green - Balck Tracer White Red Green White - Black Tracer Black
E51RAP3	E50SA ¹ E50SAN ¹ E50SG ¹ E51SAL E51SBL ¹ E51SAL24 E51SXL24 E51SDL	E57KYED110-3 E57KYED110-6 E57KYED110-12	3 feet 6 feet 12 feet	1 2 3	Green Black White
E51RCP5	E51SCL	E57KYED127-6	6 feet	1 2	White Red
E51RNP5	E51SPL			3 4 5	Green Orange Black

¹Using only the 1 N.O. contact.

E50/E51 RECEPTACLES WITH PIN-CONNECTORS (CONTINUED)
WIRING DIAGRAMS



CAUTION

The Cutler-Hammer receptacle are wired per the above diagrams. Similar diagrams appear on the side of the receptacle. These diagrams list receptacle terminal number and connector pin number and require the person applying the switch to match the information on the receptacle to information on the front switch boy nameplate. Care should be taken when wiring the Brad Harrison cord set so that the wiring is in the same sequences as the male portion of the connector.

For further technical information see:

- For E50 see: TIP E50
Pub. 15836 (supplied with most E50 components)
- For E51 see: TIP E51 Proximity
TIP E51 Photo
Pub 16973 (supplied with most E51 components)

For information on factory-sealed devices see the following:

- For E50 Factory-sealed Devices see: TIP E50 (6P)
Pub. 17254 (supplied with Factory-sealed Devices)
- For E51 Factory-sealed see: TIP E51 (6P)
Pub. 16973 (supplied with Factory-sealed Devices)

MOUNTING AND DRILLING DIMENSIONS

