

SQUARE D

Instruction Bulletin

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Class 9999, Type SA10 Push Button Kit

For NEMA Size 00-4 Type S Starters and Contactors in NEMA 1 Enclosures

INTRODUCTION

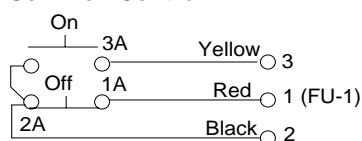


Figure 1 Push Button Kit Mounted

INSTALLATION: REMOVABLE-COVER ENCLOSURE



Common Control



Separate Control

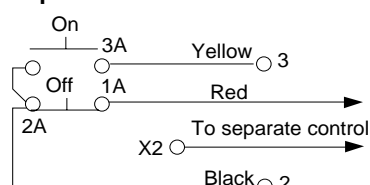


Figure 2 Removable Cover Enclosure

This instruction bulletin contains installation instructions for the Class 9999 Type SA10 push button kit. The kit can be installed in an enclosure with a removable cover or hinged door, and can be wired for common control (motor and starter at same voltage) or separate control (motor and starter coil at different voltages).

Table 1 Contents of Kit

Quantity	Description
1	Push button unit
1	Wire harness
1	Wire clip (for hinged door enclosure only)
1	Warning label

! DANGER

HAZARDOUS VOLTAGE.

Disconnect all power before working on equipment.

Electrical shock will cause severe personal injury or death.

To wire the push button kit for **common control** in an enclosure with a removable cover (refer to Figure 2):

1. Remove large rectangular knockout from cover.
2. Remove long piece of tubing and discard.
3. Connect harness end (from which tubing was removed) to contactor or starter as follows:
 - A. Connect yellow lead to terminal 3.
 - B. Connect black lead to terminal 2.
 - C. **Sizes 00, 0 and 1 only:** Loop red wire and connect to terminal screw of terminal 1 located behind pressure-wire connector on terminal L1.
 - D. **Size 2, 3 and 4 only:** Trim stripped portion of red wire to convenient length and connect to terminal 1 located at left side of terminal L1.
4. Slide short piece of tubing along harness toward connected end.
5. Thread red and black wires through the pair of horizontally aligned holes in the push button bracket as shown in Figure 2.
6. Press push button unit into place on contactor or starter (see Figure 1).
7. Cut and strip leads to convenient lengths at free end of harness and connect to push button unit as follows:
 - A. Connect red lead to terminal 1A. A longer wire may be required on some starters or contactors with control circuit fuses.
 - B. Connect black lead to terminal 2A.
 - C. Connect yellow lead to terminal 3A.

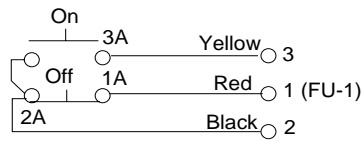
To wire the push button kit for **separate control** in an enclosure with a removable cover (refer to Figure 2):

1. Remove and discard red lead from wire harness.
2. Connect black and yellow leads per common control, removable-cover instructions. Connect separate control voltage source to terminal 1A on push-button unit and terminal X2 on overload relay of starter or coil of contactor.
3. Attach warning label to outside surface of removable cover.

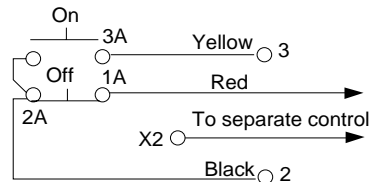
INSTALLATION: HINGED
DOOR ENCLOSURE



Common Control



Separate Control



To wire the push button kit for **common control** in an enclosure with a hinged cover (refer to Figure 3):

1. Remove large rectangular knockout from cover.
2. Connect harness end, with long piece of tubing, to contactor or starter as follows:
 - A. Connect yellow lead to terminal 3.
 - B. Connect black lead to terminal 2.
 - C. **Sizes 00, 0 and 1 only:** Loop red wire and connect either to terminal screw of terminal 1 located behind pressure-wire connector on terminal L1 or to terminal FU-1 of control circuit fuse, if present.
 - D. **Size 2, 3 and 4 only:** Trim stripped portion of red wire to convenient length and connect either to terminal 1 located at left side of terminal L1 or to terminal FU-1 of control circuit fuse, if present.
3. Connect free end of harness to push-button unit as follows:
 - A. Connect red lead to terminal 1A.
 - B. Connect black lead to terminal 2A.
 - C. Connect yellow lead to terminal 3A.
4. Remove and discard plastic bracket from push button unit but save screws. Use screws to secure push button unit to bracket welded directly above push button knockout.
5. The wire clip should be mounted with flat portion located on inside of left cabinet wall. The clip should be against the front inside wall, with opening facing rear wall. The clip should be at the same height as the center of the push button. Remove backing and press clip in place. Route harness through clip (see Figure 3). Note: adjust harness wires in tubing so they do not interfere with operation of reset button.

To wire the push button kit for **separate control** in an enclosure with a hinged cover (refer to Figure 3):

1. Remove and discard red lead from wire harness.
2. Connect black and yellow leads per Removable-Cover, Common Control instructions. Connect separate-control voltage source to terminal 1A on push-button unit, and terminal X2 on overload relay of starter or coil of contactor.
3. Attach warning label to outside surface of hinged door.

Figure 3 Hinged Door Enclosure

PLEASE NOTE:

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