SDC
SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM

[t] 800.413.8783 ■ 805.494.0622 ■ E-mail: service@sdcsecurity.com ■ 801 Avenida Acaso, Camarillo, CA 93012 ■ PO Box 3670, Camarillo, CA 93011
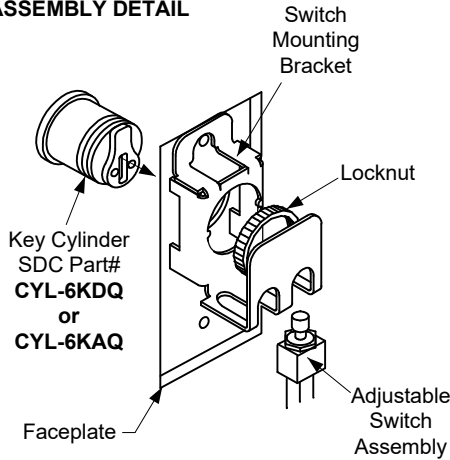
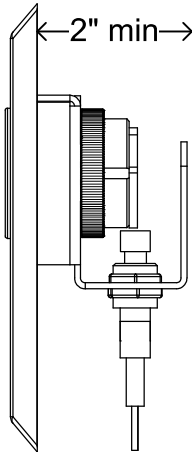# *INSTALLATION INSTRUCTIONS*

700RU SERIES
KEY SWITCHES

SDC 700RU series key switches are designed to be used as remote bypass/reset stations for SDC Delayed Egress systems. Switch Assemblies are compatible with U.S. standard, mortise key cylinders and interchangeable core cylinders (not included), and are Single-Gang box mounted (2-1/8" depth required).
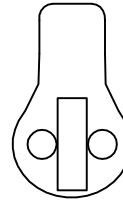
ASSEMBLY DETAIL

Switch Mounting Bracket

Locknut

Key Cylinder SDC Part# **CYL-6KDQ or CYL-6KAQ**

Adjustable Switch Assembly

Faceplate

KEY SWITCH ASSEMBLY PROCEDURE

1. Insert the key cylinder through the front of the faceplate. Make sure the key cylinder is oriented correctly and the tailpiece is in the upright position.

2. While holding the key cylinder in place, slide the switch mounting bracket onto the back of the cylinder. Align the triangular tabs on the mounting bracket with the corresponding notches on the barrel of the key cylinder.

3. Secure the key cylinder by screwing the supplied Locknut to the back of the cylinder. Tighten firmly. Insert key, adjust the position of the switch(es) to ensure that the cam makes contact with the center of the switch plunger. The switch height should be adjusted so that the cam does not apply excessive downward pressure to the switch.

4. See page 2 for electrical connections. Once the electrical connections are completed, mount the key switch assembly to a single gang mortise or surface mounted box.

←2" min→

Use tailpiece supplied with SDC Part# CYL-KD, or Ilco 863G-00-10 Standard Cam equivalent.

ACTUAL SIZE

STANDARD FEATURES

- Compatible with 1" to 1-3/8" standard and interchangeable core mortise key cylinders (not included).
- Key cylinder recessed for tamper resistance.
- Tamper resistant spanner screws.
- ***Contact Rating**: 2 amps @ 30VDC.
- **Wire Leads**: 7", 22 gauge.
- **Large actuator assembly for positive & consistent circuit activation.

*To be used with a Class 2 power supply or voltage compatible UL 294 or UL 603 listed power supply
**Compliance with ANSI/NFPA 70 National Electrical Code

OPTIONAL KEY CYLINDER
CYL-KD – 1.25" Mortise Key Cylinder and (2) Keys.

FACEPLATE DIMENSIONS
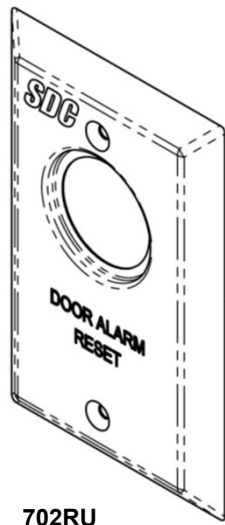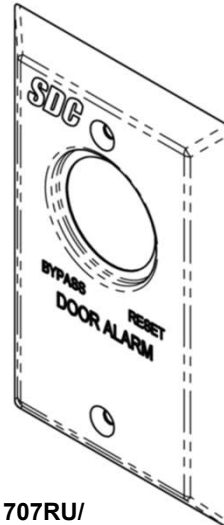**702RU/707RU/708RU:**   4.5"H x 2.875"W x 20 Ga.
Minimum Depth: 2"

ASSEMBLY TOOLS:
For convenience, a small spanner tool is provided with the assembly for fastening of spanner security screws

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdcsecurity.com
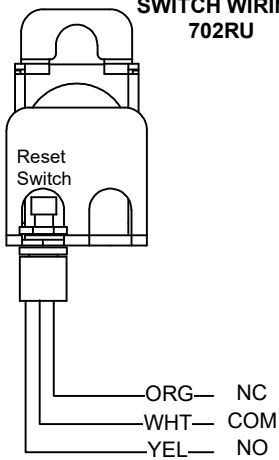
SDC

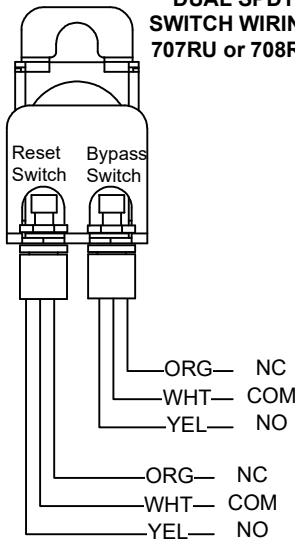SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM

[t] 800.413.8783 ■ 805.494.0622 ■ E-mail: service@sdcsecurity.com ■ 801 Avenida Acaso, Camarillo, CA 93012 ■ PO Box 3670, Camarillo, CA 93011

FACEPLATES

702RU

707RU/ 708RU

KEYSWITCH WIRING INSTRUCTIONS:

SINGLE SPDT SWITCH WIRING 702RU

Reset Switch

ORG— NC
WHT— COM
YEL— NO

DUAL SPDT SWITCH WIRING 707RU or 708RU

Reset Switch   Bypass Switch

ORG— NC
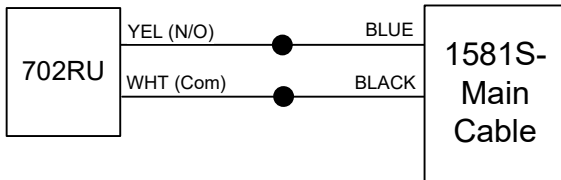WHT— COM
YEL— NO

ORG— NC
WHT— COM
YEL— NO

SWITCH CONFIGURATION:

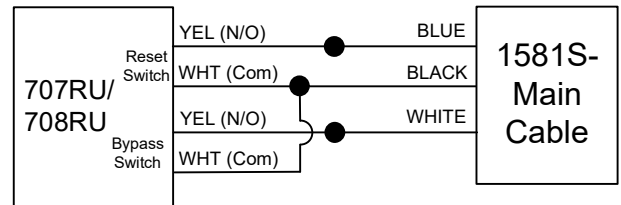**702RU**: One SPDT Momentary Action (Reset)

707RU: Two SPDT Momentary Action (Reset & Momentary Bypass)

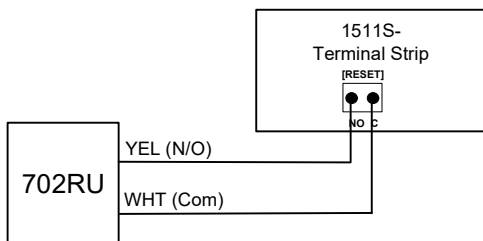**708RU**: One SPDT Momentary Action (Reset) <u>AND</u> One SPDT Alternate Action (Maintained Bypass)

Example 1 – 702RU wired to SDC 1581S Delayed Egress Lock

702RU
YEL (N/O) — BLUE
WHT (Com) — BLACK
1581S- Main Cable

Example 3 – 707RU/708RU wired to SDC 1581S Delayed Egress Lock

707RU/ 708RU
Reset Switch
YEL (N/O) — BLUE
WHT (Com) — BLACK
Bypass Switch
YEL (N/O) — WHITE
WHT (Com)
1581S- Main Cable

Example 2 – 702RU wired to SDC 1511S Delayed Egress Lock

1511S- Terminal Strip
[RESET]
NO C

702RU
YEL (N/O)
WHT (Com)

Example 4 – 707RU/708RU wired to SDC 1511S Delayed Egress Lock

1511S- Terminal Strip
[RESET] [REX]
NO C   NO C

707RU/ 708RU
Reset Switch
YEL (N/O)
WHT (Com)
Bypass Switch
YEL (N/O)
WHT (Com)