**Touch Button and Guard Installation (Bulletin 800Z)**

**WARNING:** To prevent electrical shock, disconnect from power source before installing or servicing. Protect cables from mechanical damage during installation and use.

**ATTENTION:** The 800Z touch button is designed to be an ergonomic replacement for a palm button. It is not a safety device by itself. This product may cause personal injury or property damage if not installed and used in accordance with the manufacturer's instructions provided as well as applicable standards and regulations. The user has responsibility to ensure that all local, state, as well as, national laws, codes and regulations relating to the use and installation of this device are satisfied. Furthermore, safety relays should be used in all two-hand control applications. Some U.S. standards applicable to two-hand control systems include: ANSI B11, NFPA 79, and ANSIUR15.06. Some European standards applicable to two-hand control systems include: EN 574, EN 999, EN 60204-1, EN 292-1 and EN 292-2.

**ATTENTION:** This product has undergone a series change from series B to C. Series C product is RoHS compliant.

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**Operation**

1. When the power LED is green, the Touch Button is ready for operation.
2. To enable an output, simply place palm or fingers onto ergonomically contoured surface (see Fig. 1).
3. Touch Button output stays activated as long as the sensor surface remains touched.
4. When the output LED is red, the output is de-energized. When the output LED is green, the output is energized.

**Diagnostics**

**Code 1:** The Power/Fault LED (see Fig. 2) will turn red for 1 second during power-up. After the unit self-diagnostics have passed, the Power/Fault LED will turn green and the Output LED will turn red if a fault occurs. The Power/Fault LED will remain red.

**Code 2:** If the device is touched during power-up, the Power/Fault LED will flash red indicating the device has been disabled. It will continue to flash until unit is cycled to the unit.

**Code 3:** If the unit detects an unacceptable level of noise, it will become disabled and the red Power/Fault LED will flash until the noise subsides.

**Code 4:** If conductive films deposit on the sensor surface over time or if a person attempts to defeat the sensors with foreign objects, the red Power/Fault LED will flash. The fault will disable the unit and it will remain disabled until the fault is cleared. (fast flash)

**Note:** In most applications, the grounded neutral line and/or parasitic capacitance between the input power leads and earth provides sufficient impedance for the device to function properly. If the unit powers up normally without diagnostic fault codes but does not activate, the power source could be the problem.

**Maintenance**

Unit has no customer serviceable parts.

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**Specifications (relay output)**

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>10-40V DC, 20-30V AC (800Z-GL...)</th>
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</thead>
<tbody>
<tr>
<td>Output Voltage</td>
<td>100-240V AC (800Z-GF...)</td>
</tr>
</tbody>
</table>

- **Output Rating:**
  - Resistive (cable option): 3A, 250V AC
  - Resistive (connector option): 4A, 24V DC
  - Inductive: C300, AC-15, Ith=2.5A
  - Overcurrent protection shall be provided: 3A, 24V DC, 3A, 24V DC

- **Min. Load:** 6mA, 12V

- **On Time Delay:** 76 ms (max.), 60 ms (avg.)

- **Min. Cycle Time:** 10 sec.

- **Cycle Power Req.:** 8.15g (180 lbs) MAX

- **Response Time:**
  - Off Time Delay: 60 ms (max.)
  - On Time Delay: 76 ms (max.), 60 ms (avg.)

- **Agency Certification:**
  - UL, cUL, and CE compliant for all applicable directives.
  - CE directives include: EN61000-6-2, EN60947-5-1.

This product is intended for use in an industrial environment.

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**Rockwell Automation**

BUL. 800Z TOUCH BUTTON AND GUARD INSTALLATION GP RELAY VERSION INSTRUCTION SHEET (ENGLISH)

Dr. M. GUELMI  Date  03-17-10