Touch Button and Guard Installation

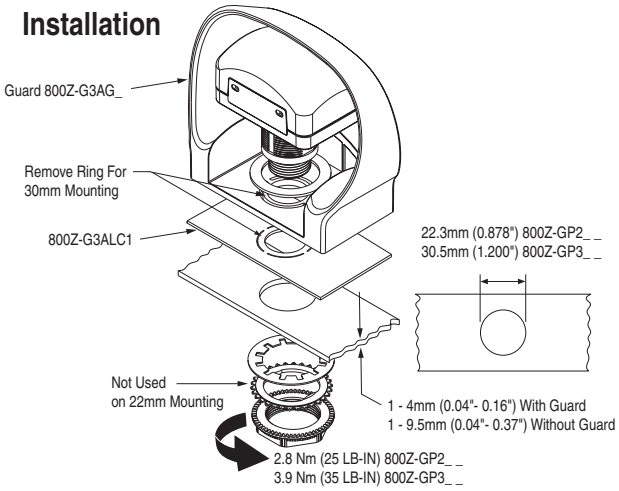
(Bulletin 800Z)

WARNING: To prevent electrical shock, disconnect from power source before installing or servicing.

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.

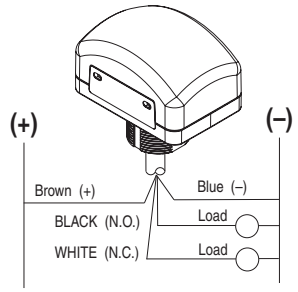
ATTENTION: This product has undergone a series change from series B to C. Series C product is RoHS compliant.

Installation

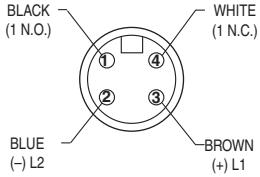


Electrical Connections: 10-30V DC

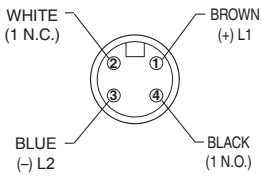
800Z-GP_ _ _ _
Sourcing (PNP)



800Z-GP3Q64
Mini QD (30.5mm)



800Z-GP2Q64
Micro QD (22.5mm)



4-Pin Molded Cordsets

Mini QD (30.5mm)
#889N-F4AE-6F
#889N-F4AE-12F
#889N-F4AE-20F
#889N-R4AE-6F
#889N-R4AE-12F
#889N-R4AE-20F

Micro QD (22.5mm)
#889D-F4AC-2
#889D-F4AC-5
#889D-F4AC-10

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 Figure 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.

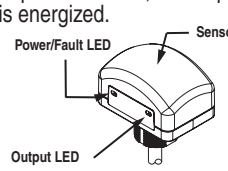


Figure 1

Figure 2

Diagnostics

Code 1: The Power/Fault LED (see Figure 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 power 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 provide(s) 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 ungrounded. For additional information, please contact Rockwell Automation Technical Support by email at raictechsupport@ra.rockwell.com or by phone at 440-646-5800.

CODE TYPE	DESCRIPTION	FAULT LED FLASH SEQUENCE	MIN. CYCLE TIME
CODE 2	POWER-UP SAFETY	• • • • • •	CYCLE POWER REQ.
CODE 3	NOISE DETECTION	• • • • • • • • •	10 SEC.
CODE 4	MARGIN DETECTION	• • • • • • • • • • • •	1.5 SEC.

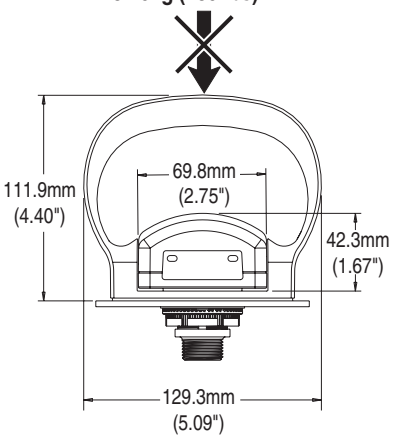
Specifications (sourcing output)

LOW VOLTAGE–SOLID STATE OUTPUT
Input Voltage: 10-30V DC
Output Rating: 24 VDC 800 mA
Response Time: Off Time Delay: 60 ms (max.) On Time Delay: 76 ms (max.) 60 ms (avg.)
Protection: Type 4/4X/13 IP66 1200 psi Washdown
Agency Certification: UL, cUL, and CE compliant for all applicable directives. CE directives include EN 61000-6-2, EN 50081–2, and EN 60947–5–1. This product is intended for use in an industrial environment.

Maintenance

Unit has no customer serviceable parts.

81.6kg (180 lbs) MAX



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