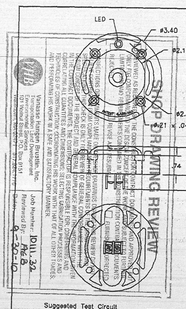
DWG. NO.
SOLM2-X



SPECIFICATIONS

This button is a highly vandal resistant button with essentially no moving parts. It is pressure activated, but can withstand an impact from a baseball bat or hammer. When the switch activates, you hear a two tone beep and the LED flashes.

Body Material: Aluminum, Powder Coated
Colors: Black, Silver, Green, Yellow & Anodized
To specify color, add B for black, S for silver, G for green, Y for yellow or A for anodized in "X" position in part number.

Button Material: 316 Stainless Steel

Piezo Driven Solid State Switch:
Operating Temperature: -30°F to 165°F (-34°C to 70°C)
Operating Voltage: 15–36V DC or 12–28V AC
On Resistance: 10 Ω typical.
Operating Life: Greater than 100 million operations.
Operating Standby Current: 10μA typical (equivalent to 2 MΩ at 20V)

LED:
Operating Mode: Approx. 0.025 sec flash each time button is pressed.
Luminous Intensity: Greater than 1200 mcd (ultra bright red)
Viewing Angle: 180°

Beeper:
Sounds simultaneously with LED flash.
Different tones for press and release, 2.3 kHz & 2.6 kHz.
Beeper uses power from existing switch wires.

Suggested Test Circuit

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Revised – 05/27/04

REV.	DATE	LTR	E.C.O. NO.	BY	CKR	ENG	DSN	MFG	QA	ENL

POLARA ENGINEERING INC.
4115 W. ARTESIA AVE., FULLERTON, CA. 92833

TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED)

DRAWN BY	CHK.	ENG. MGR.	MFG. MGR.	SCALE	1:2
SB				SHEET 1 OF 1	
DATE 07-23-03	DSN. ENG.	Q.A. APPR.	REGUL. APPR.	USE	

TITLE
VANDAL RESISTANT PUSH BUTTON
w/ LED, MOMENTARY

DWG. NO.
SOLM2-X