

SERIES C8 LIGHTED PUSHBUTTON SWITCH/INDICATOR

Low Cost Dependability

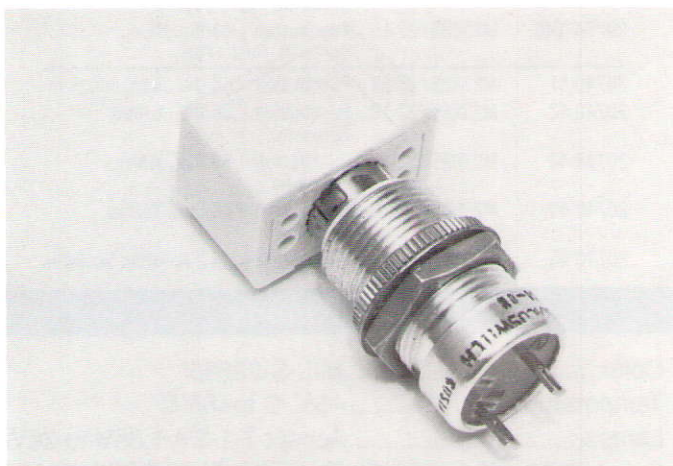
The low cost dependable Stacoswitch Series C8 is an attractive versatile single lamp switch with the same basic switch mechanism used in its QPL counterpart, the Series 60. Price includes complete switch and pushbutton lens assembly and all necessary mounting hardware. Matching indicator only is available for look-alike appearance when intermixed with switches on the control panel.

Features

Switch is available with momentary or alternate snap action in two circuit arrangements; DPDT or two circuit double break. Choice of standard operating force, 32 ounces nominal, or low operating force, 20 ounces nominal. Select either solder terminals or PC terminals available in three different lengths. Wide switching range handles resistive loads from 3 amps down to low level computer capability. Gold plated contacts available for low level loads. Rugged metal body and switch mechanism provide longest life possible. Switches may be mounted directly on display panel or on a sub-panel with pushbutton lenses inserted through an overlay panel for low-profile appearance. Twelve and 16 station sub-panels are available as accessories. Lens serves as both display screen and pushbutton to activate switch.

Pushbutton Display Lens

Select from wide assortment of lens shapes, sizes, and colors. Legends are available as photographic film with choice of seven display types or as an engraved legend with contrasting color fill. Photographic legends offer hidden or visible messages with black characters on a color background, or characters in color on a black background. Legends are permanently protected under a clear plastic cap. Engraved legends are offered on translucent color lens or on white translucent lens that in the illuminated condition may have either a white or a color background. All legends are clear and sharp for positive reading. Pushbutton lens accept T-1-3/4 midget flange base lamps. See page 16 for lamp ordering information.



SERIES C8 LIGHTED PUSHBUTTON SWITCH/INDICATOR

Switch/Indicator Body - Table 4

Standard Operating Force (32 ounces nominal)

P/N Suffix	Circuit	Action	Terminations
01	Indicator Only	None	Solder
02	Indicator Only	None	P.C. — .20"
03	Indicator Only	None	P.C. — .65"
04	Indicator Only	None	P.C. — .75"
05	2 Circuit	Momentary	Solder
06	2 Circuit	Momentary	P.C. — .20"
07	2 Circuit	Momentary	P.C. — .65"
08	2 Circuit	Momentary	P.C. — .75"
09	2 Circuit	Alternate	Solder
10	2 Circuit	Alternate	P.C. — .20"
11	2 Circuit	Alternate	P.C. — .65"
12	2 Circuit	Alternate	P.C. — .75"
13	2PDT	Momentary	Solder
14	2PDT	Momentary	P.C. — .20"
15	2PDT	Momentary	P.C. — .65"
16	2PDT	Momentary	P.C. — .75"
17	2PDT	Alternate	Solder
18	2PDT	Alternate	P.C. — .20"
19	2PDT	Alternate	P.C. — .65"
20	2PDT	Alternate	P.C. — .75"

Low Operating Force (20 ounces nominal)

P/N Suffix	Circuit	Action	Terminations
21	2 Circuit	Momentary	Solder
22	2 Circuit	Momentary	P.C. — .20"
23	2 Circuit	Momentary	P.C. — .65"
24	2 Circuit	Momentary	P.C. — .75"
25	2 Circuit	Alternate	Solder
26	2 Circuit	Alternate	P.C. — .20"
27	2 Circuit	Alternate	P.C. — .65"
28	2 Circuit	Alternate	P.C. — .75"
29	2PDT	Momentary	Solder
30	2PDT	Momentary	P.C. — .20"
31	2PDT	Momentary	P.C. — .65"
32	2PDT	Momentary	P.C. — .75"
33	2PDT	Alternate	Solder
34	2PDT	Alternate	P.C. — .20"
35	2PDT	Alternate	P.C. — .65"
36	2PDT	Alternate	P.C. — .75"

Part Number Code

Typical Part Number - G C8 17 K 47 1 B (FILL)

Prefix used when gold plated contacts are required. Omit if not required

Model

Switch/Indicator 01 thru 36. See Table 4.

Pushbutton Style

H = .50 Sq. K = .63 Sq. M = .75 Sq. P = .75 x .50 Rect.

J = .50 Dia. L = .68 dia. N = 1.12 x .75 Rect. R = .75 Dia.

Pushbutton Color Combinations 01 thru 57. See Table 2, Page 11.

Legend Display Type 1 thru 6 and 8. See Table 1, Page 10.

Legend Character Size A = 10 point B = 12 point C = 18 point. See Table 3, Page 12.

Legend

Lamps

T-1-3/4 midget flange based incandescent lamps, available in various voltages, fit all Stacoswitch units. Lamps are not included with switches or indicators and must be ordered separately. See chart at right for part numbers and specifications. Part numbers referenced with an asterisk (*) are stocked by Stacoswitch. All are available from local distributors.



PART NUMBER	MILITARY PART NUMBER	DESIGN VOLTS	DESIGN AMPS	M.S.C.P.	R.A.L.L.
331		1.35	.06	.01	5,000
338	25237-338	2.7	.06	.04	6,000
7332*		5	.06	.03	30,000
7333		5	.06	.05	25,000
7335		5	.115	.15	20,000
345		6	.04	.04	10,000
328*	25237-328	6	.20	.34	1,000

PART NUMBER	MILITARY PART NUMBER	DESIGN VOLTS	DESIGN AMPS	M.S.C.P.	R.A.L.L.
380		6.3	.04	.03	20,000
377		6.3	.075	.23	1,000
350		6.3	.15	.45	3,000
349		6.3	.20	.55	20,000
381		6.3	.20	.40	20,000
344		10	.014±10%	.006	50,000
367X		10	.04	.08	5,000
394		12	.04	.10	10,000
330*	25237-330	14	.08	.50	2,500
382		14	.08	.30	40,000
370		18	.04	.15	10,000
459		22	.038-.042	.30	5,000
327*	25237-327	28	.04	.34	4,000
387*	25237-387	28	.04	.30	7,000

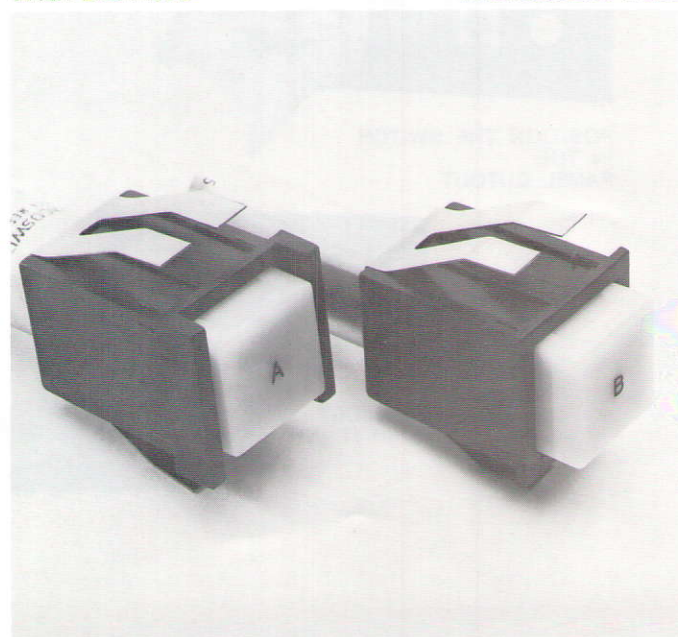
NOTE: *Available from Stacoswitch stock
M.S.C.P. = Mean Spherical Candle Power
R.A.L.L. = Rated Average Lab. Life (Hours)

SERIES C8P LIGHTED PUSHBUTTON SWITCH/INDICATOR



With Barriers

Without Barriers



Attractive Snap-In Bezel Mount

Series C8P is a dependable, long lasting single lamp switch/indicator with convenient snap-in bezel mounting. Available in four bezel styles, with or without barriers, and in choice of black, white or gray, these attractive switches will enhance most modern panel designs. The same proven switch mechanism is used in both the C8 and C8P Switches, and is the same basic element used in their QPL counterpart, the Series 60. The low price of the C8P is one of its remarkable features . . . remarkable because of its high quality and great looks. Price includes switch or indicator and mounting bezel with pushbutton lens. The matching indicator only, provides look-alike appearance when intermixed with switches.

Features

Switch is available with momentary or alternate snap action in two circuit arrangements; DPDT or two circuit double break. Choice of standard operating force, 32 ounces nominal, or low operating force, 20 ounces nominal. Select either solder terminals or PC terminals available in three different lengths. Wide switching range handles resistive loads from 3 amps down to low level computer capability. Gold plated contacts available for low level loads. Rugged metal body and proven switch mechanism made of premium grade materials assure longest life possible. Lamp and switch terminations are on the same plane for ease in wiring.

Pushbutton Display Lens

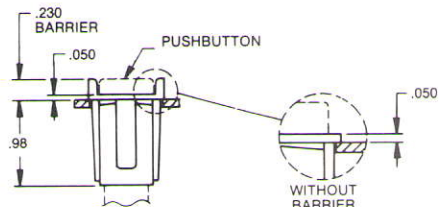
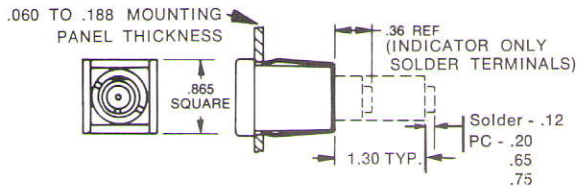
The colorful, attractive lens serves as both the display screen and the pushbutton to activate the switch. Select from four sizes in a wide assortment of colors and legend types. Photographic legends offer choice of hidden or visible messages with black characters on a color background, or characters in color on a black background. Legends are permanently protected under a clear plastic cap. Engraved legends are available on translucent color lens or on a white translucent lens that in the illuminated condition may have either a white or color background. All legends are clear and sharp for easy reading. Pushbuttons accept T-1-3/4 midget flange lamps. See page 16 for lamp ordering information.

Indicator Only — SOLDER TERMINALS

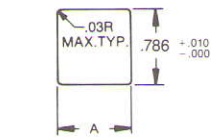


SERIES C8P LIGHTED PUSHBUTTON SWITCH/INDICATOR

Bezel Styles

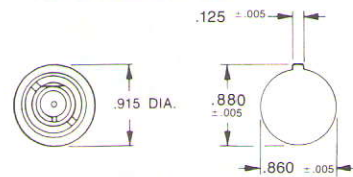


TYPICAL ALL STYLES



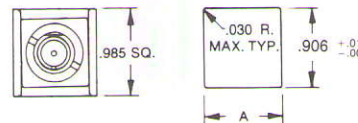
FOR SINGLE STATION
 $A = .786 \pm .010 / -.000$
 FOR SLOT MOUNTING
 $A = [N (.865) - .065] \pm .010 / -.000$

STYLE "K"



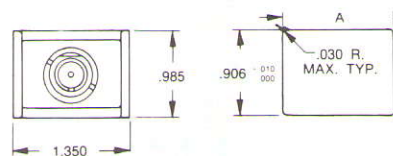
STYLE D
 WITHOUT BARRIER
 ONLY

STYLE "L"



FOR SINGLE STATION
 $A = .906 \pm .010 / -.000$
 FOR SLOT MOUNTING
 $A = [N (.985) - .065] \pm .010 / -.000$

STYLE "M"



FOR SINGLE STATION
 $A = 1.275 \pm .010 / -.000$
 FOR SLOT MOUNTING
 $A = [N (1.350) - .065] \pm .010 / -.000$

STYLE "N"

See Series C8 Switch/Indicator, page 15 for terminal arrangement.

Specifications

MECHANICAL

Standard operating force 2 lbs. nominal
 Low operating force 20 ozs. nominal
 Mechanical life 100,000 cycles

ELECTRICAL

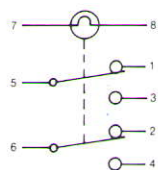
Contact load rating 28 VDC/115 VAC
 Resistive 3.0 amperes
 Lamp 1.0 amperes
 Low level 10 microamps, DC only
 (gold plated contacts)
 Insulation resistance 1000 megohms min.
 @ 500 VDC

Terminal No. 8 is common with lamp shell on switches and PC indicator; terminal No. 1 is common with lamp shell on solder indicator.

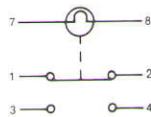
ENVIRONMENTAL

Temperature -55°C to +85°C

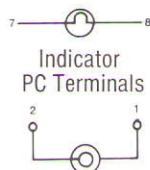
Circuit Schematic



Double pole
 Double throw

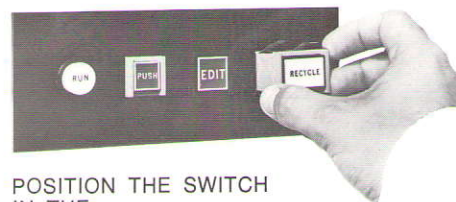


Two Circuit
 Double break

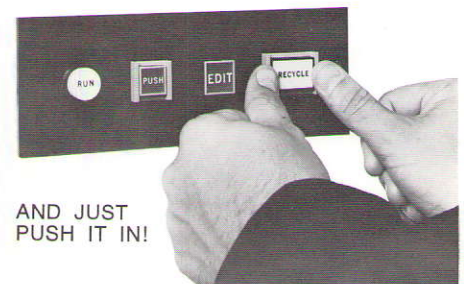


Indicator
 Solder Terminals

Mounting



POSITION THE SWITCH
 IN THE
 PANEL CUTOUT



AND JUST
 PUSH IT IN!

SERIES C8P LIGHTED PUSHBUTTON SWITCH/INDICATOR

Switch/Indicator Body - Table 4

Standard Operating Force

P/N Suffix	Circuit	Action	Terminations
01	Indicator Only	None	Solder
02	Indicator Only	None	P.C. — .20"
03	Indicator Only	None	P.C. — .65"
04	Indicator Only	None	P.C. — .75"
05	2 Circuit	Momentary	Solder
06	2 Circuit	Momentary	P.C. — .20"
07	2 Circuit	Momentary	P.C. — .65"
08	2 Circuit	Momentary	P.C. — .75"
09	2 Circuit	Alternate	Solder
10	2 Circuit	Alternate	P.C. — .20"
11	2 Circuit	Alternate	P.C. — .65"
12	2 Circuit	Alternate	P.C. — .75"
13	2PDT	Momentary	Solder
14	2PDT	Momentary	P.C. — .20"
15	2PDT	Momentary	P.C. — .65"
16	2PDT	Momentary	P.C. — .75"
17	2PDT	Alternate	Solder
18	2PDT	Alternate	P.C. — .20"
19	2PDT	Alternate	P.C. — .65"
20	2PDT	Alternate	P.C. — .75"

Low Operating Force

P/N Suffix	Circuit	Action	Terminations
21	2 Circuit	Momentary	Solder
22	2 Circuit	Momentary	P.C. — .20"
23	2 Circuit	Momentary	P.C. — .65"
24	2 Circuit	Momentary	P.C. — .75"
25	2 Circuit	Alternate	Solder
26	2 Circuit	Alternate	P.C. — .20"
27	2 Circuit	Alternate	P.C. — .65"
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29	2PDT	Momentary	Solder
30	2PDT	Momentary	P.C. — .20"
31	2PDT	Momentary	P.C. — .65"
32	2PDT	Momentary	P.C. — .75"
33	2PDT	Alternate	Solder
34	2PDT	Alternate	P.C. — .20"
35	2PDT	Alternate	P.C. — .65"
36	2PDT	Alternate	P.C. — .75"

Snap-in Bezel Mount - Table 5

P/N Suffix	Bezel Style	Bezel Color	Barrier
K1	.63 Sq. P/B; .865 Sq. Bezel	Black	With Barriers
K2	.63 Sq. P/B; .865 Sq. Bezel	Black	Without Barriers
K3	.63 Sq. P/B; .865 Sq. Bezel	Gray	With Barriers
K4	.63 Sq. P/B; .865 Sq. Bezel	Gray	Without Barriers
K5	.63 Sq. P/B; .865 Sq. Bezel	White	With Barriers
K6	.63 Sq. P/B; .865 Sq. Bezel	White	Without Barriers
L1	.68 Dia. P/B; .915 Dia. Bezel	Black	No Barriers
L2	.68 Dia. P/B; .915 Dia. Bezel	Gray	No Barriers
L3	.68 Dia. P/B; .915 Dia. Bezel	White	No Barriers
M1	.75 Sq. P/B; .985 Sq. Bezel	Black	With Barriers
M2	.75 Sq. P/B; .985 Sq. Bezel	Black	Without Barriers
M3	.75 Sq. P/B; .985 Sq. Bezel	Gray	With Barriers
M4	.75 Sq. P/B; .985 Sq. Bezel	Gray	Without Barriers
M5	.75 Sq. P/B; .985 Sq. Bezel	White	With Barriers
M6	.75 Sq. P/B; .985 Sq. Bezel	White	Without Barriers
N1	.75 × 1.12 P/B; .985 × 1.35 Bezel	Black	With Barriers
N2	.75 × 1.12 P/B; .985 × 1.35 Bezel	Black	Without Barriers
N3	.75 × 1.12 P/B; .985 × 1.35 Bezel	Gray	With Barriers
N4	.75 × 1.12 P/B; .985 × 1.35 Bezel	Gray	Without Barriers
N5	.75 × 1.12 P/B; .985 × 1.35 Bezel	White	With Barriers
N6	.75 × 1.12 P/B; .985 × 1.35 Bezel	White	Without Barriers

Part Number Code

Typical Part Number **G C8P 13 M2 09 5 B (FILL)**

Prefix used when gold plated contacts are required. Omit if not required

Model

Switch/Indicator Body
01 thru 36. See Table 4

Snap-in Mounting bezel
K1 thru N6. See Table 5.

Pushbutton Color Combinations
01 thru 57. See Table 2, Page 11.

Legend Display Type
1 thru 6 and 8. See Table 1, Page 10

Legend Character Size
A = 10 point B = 12 point C = 18 point
See Table 3, Page 12

Legend