



CONTROLS G SERIES

CUSTOM CONTROL PANEL OPERATORS INTRODUCTION



Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
Type 3, 4, 4X
ATEX-EEExd IIB + H₂ (-CN Configurations)

 LISTED - File E12379

 Certified - File LR11714

FEATURES-SPECIFICATIONS

Features

- Threaded bodies are all 3/4"-14 NPSM thread
- Key operated selector switches are randomly keyed with keys removable in all positions. Keyed alike or key removable in non-standard positions available from factory.
- Contact blocks can be stacked four deep maximum.

Short Style

SWB/GCS Enclosures. Assemblies with wall thickness up to 1/2" thick.

Long Style

All B7E Enclosures. EXB enclosures with cover thickness up to 1-1/2" thick.

Extended Style

EXB larger size enclosures with cover thickness up to 2-1/2" thick.

Killark long and extended push buttons, selector switches, reset and potentiometer operators are CENELEC/ATEX EEExd IIB+H₂ when installed in series EXB*CEN and GR*CEN enclosures.

For pilot lights and illuminated push buttons in CENELEC/ATEX applications.

Materials

- Operators are all aluminum except for certain movable parts which are stainless steel.
- All other parts such as screws are either stainless steel or plated steel

Electrical Rating

- Push button stations, selector switches Heavy duty 600 VAC max.
- Pilot lights 250 VAC max.

CONTACT BLOCK RATINGS – A600				
CURRENT	120 VAC	240 VAC	480 VAC	600 VAC
INRUSH	60	30	15	12
BREAKING	6	3	1.5	1.2
CARRYING	10	10	10	10

DC RATINGS (MAX. AMPS) – P600		
CURRENT	125 VAC	250 VAC
INRUSH	55	.27
BREAKING	55	.27
CARRYING	2.55	2.55

AREA CLASSIFICATION CHART FOR OPERATORS

G01 ^④	G017 ^②	G030 ^②	G057 ^②	G0L2 ^④	G0L38 ^③
G02 ^④	G018 ^②	G034 ^②	G058 ^②	G0L3 ^④	G0L39 ^③
G05 ^④	G019 ^②	G035 ^② G036 ^③	G059 ^②	G0L4 ^④	G0L113 ^③
G06 ^④	G021 ^②	G037 ^③	G0113 ^③	G0L5 ^④	G0L114 ^③
G07 ^④	G022 ^②	G038 ^③	G0114 ^③	G0L6 ^④	G0LRST ^④
G08 ^③	G023 ^②	G039 ^③	G0133 ^②	G0L7 ^④ G0L8 ^③	G0M1 ^⑤
G010 ^③	G025 ^②	G040 ^①	G0134 ^②	G0L14 ^④	G0R11 ^④
G014 ^③	G026 ^②	G050 ^②	G0B3 ^④	G0L15 ^④	G0RST ^④
G015 ^③	G027 ^②	G051 ^②	G0B4 ^④	G0L36 ^③	G011388 ^②
G016 ^②	G028 ^②	G056 ^②	G0L1 ^④	G0L37 ^④	G011372 ^②

① Class II Div. 1 & 2 Group EFG

② Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III

③ Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III Type 3, 4

④ Class I Div. 1 & 2 Group BCD, Class II Div. 1 & 2 Group EFG, Class III Type 3, 4, 4X

⑤ Class I Div. 1 & 2 Group CD, Class II Div. 1 & 2 Group EFG, Class III Type 3, 4



CUSTOM OPERATOR ORDERING SYSTEM

Example: **G01** — **RX** **2** **B** **N34**
FORM **COLOR** **CONTACTS** **NAMEPLATE** **CONSTANT**
SINGLE PUSH BUTTON **(RED)** **(1 N.C.)** **(STOP)**
LONG STYLE

NOTE: For faster delivery on custom operators order push buttons and selector switches without contact blocks and order contacts as a separate item.

1. Select operator form and style (short, long or extended).
2. Using the catalog numbering system below, insert the proper letter or number symbol as shown in the appropriate charts.
3. Spaces in catalog numbering system which have symbol already filled in cannot be changed.
4. Order accessories as separate item from Accessories page.
5. Add "N34" suffix to the end of all long style operators with the following prefix; G01, G02, GOB3, GOB4, G05, G06, G07, G08, G010, G011, G014, G015, G036, G037, G038, G039.

CATALOG SERIES	COLOR	VOLTAGE	POSITION	CAM	CONTACTS	NAMEPLATE	KEY LOCK	KEY TYPE	DESCRIPTION
G01 & G021 GOL1	Chart 1				Chart 4	Chart 8			Single push button: (Momentary contact)
G0M1	Chart 1				Chart 4	Chart 8			Single push button: (Maintained contact)
G02 & G022 GOL2	Chart 2				Chart 4	Chart 8			Double push button: (Momentary contact)
GOR11	Chart 2				Chart 4	Chart 8			Double push button: (Maintained contact)
GOB3 & GOL3	Chart 3	Chart 6				Chart 8			Pilot light
GOB4 GOL4	Chart 3	Chart 6			Chart 4	Chart 8			Illuminated push button
G05 & G025 GOL5			Chart 5	Chart 7	Chart 4	Chart 8			Selector switch (Maintained contact)
G06 & G026 GOL6					Chart 4	Chart 8			Selector switch (2 Position, spring return to left)
G07 & G027 GOL7					Chart 4	Chart 8			Selector switch (3 Position, return to center from center)
G014 & G034 GOL14					Chart 4	Chart 8			Selector switch (3 Position, return to center from right)
G015 & G035 GOL15					Chart 4	Chart 8			Selector switch (3 Position, return to center from left)
G08 & G028 GOL8			Chart 5	Chart 7	Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (Maintained contact)
G036 & G056 GOL36					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (2 Position, spring return to left)
G037 & G057 GOL37					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, spring return to center)
G038 & G058 GOL38					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, return to center from right)
G039 & G059 GOL39					Chart 4	Chart 8	Chart 9	Chart 10	Key selector switch (3 Position, return to center from left)



CONTROLS G SERIES

G SYMBOLS FOR ORDERING CUSTOM OPERATORS

CHART 1 – SINGLE BUTTON				
GO1 SYMBOL	GO21 SYMBOL	GOL1 SYMBOL	GOM1 SYMBOL	COLOR
KX	KZ	K	KM	Black
RX	RZ	R	RM	Red
GX	GZ	G	GM	Green

CHART 2 – DOUBLE BUTTON	
SYMBOL	COLOR
KK	Black/Black
GG	Green/Green
RR	Red/Red
RG	Red/Green
KR	Black/Red
KG	Black/Green

CHART 3 – PILOT LIGHT LENS	
SYMBOL	COLOR
A	Amber
B	Blue
C	Clear
F	Frosted
G	Green
R	Red

CHART 4 – CONTACT BLOCKS	
SYMBOL	ARRANGEMENT
1	One N.O. block
2	One N.C. block
3	One universal (One N.O. and one N.C.)
4	One delayed break N.C. block
5	One early make N.O. block
6	Two N.O. blocks
7	Two N.C. blocks
8	Two universal (Two N.O. and two N.C.)
0	Omit contact block

CHART 5 – SELECTOR SWITCHES	
SYMBOL	NO. OF POSITIONS
2	Two
3	Three

CHART 6 – PILOT LIGHT LAMPS	
GOB3/GOB4 SYMBOL	VOLTAGE
23	120
4	24
40	240

CHART 7A – SELECTOR SWITCH CAMS

CAM AND CONTACT SELECTION TABLE FOR 2 AND 3 POSITION SELECTOR OPERATOR

SYMBOL	CONTACTS BLOCKS	Left position		Center position		Right position	
		LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS	LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS	LEFT/TOP BLOCKS	RIGHT/BOT BLOCKS
A	NC	X	X			0	0
	NO	0	0			X	X
B	NC	X	0	X	X	0	X
	NO	0	X	0	0	X	0
C	NC	X	X	0	0	0	0
	NO	0	0	0	0	X	X
D	NC	0	0	X	X	0	0
	NO	0	0	0	0	X	X
G	NC	X	0	0	X	0	0
	NO	0	0	0	0	X	X

Note: Spring return operators are supplied with special fixed cam. Changes cannot be made for cam substitution.

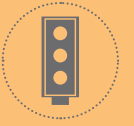
CHART 7B	
CAM	PART NUMBER
A	0106775B
B	11586ABAB
C	11587ABAB
D	11588ABAB
G	11590ABAB

CHART 8 – NAMEPLATES ^①			
SYMBOL	NAMEPLATE MARKINGS		G SERIES FORMS THAT NAMEPLATE CAN BE USED ON
	FRONT	BACK	
A	Omit nameplate	Omit nameplate	All
B	Start	Stop	GO1, 21, 20, 40, GOB3
C	Blank	Reset	GO1, 21, 20, 40, GOB3, GOB4
E	Blank	On	GOR4
F	Blank-Blank	Off-On	GO5, 25, 6, 26, 8, 28, 10, 30, 36, 56
G	Blank-Blank-Blank	Hand-Off-Auto	GO5, 25, 7, 27, 8, 28, 10, 30, 14, 34
H	Blank-Blank-Blank-Blank	Start-Stop	GO5, 25, 10, 30

^① Symbol not required on extended length GOL part number.

CHART 9 – KEY LOCK	
SYMBOL	TYPE
22	2 Position key remove left
20	2 Position key remove both
32	3 Position key remove center
30	3 Position key remove all

CHART 10 - KEY STYLE	
SYMBOL	TYPE
D	Keys different
A	Keys alike



PUSH BUTTONS



Push Button Green



Push Button Red



Mushroom Push Button



Double Push Button

G SINGLE PUSH BUTTON (MOMENTARY CONTACT)

CATALOG NUMBER			COLOR	CONTACT TYPE	NAMEPLATE MARKING
SHORT	LONG	EXTENDED			
G021-GZ1B	G01-GX1B N34	GOL1G1	Green		Start or Stop
G021-KZ1C	G01-KX1C N34	GOL1K1	Black		Reset or Blank
G021-RZ2B	G01-RX2B N34	GOL1R2	Red		Start or Stop
G021-KZ2C	G01-KX2C N34	GOL1K2	Black		Reset or Blank
G021-GZ3C	G01-GX3C N34	GOL1G3	Green		Reset or Blank
G021-RZ3C	G01-RX3C N34	GOL1R3	Red		Reset or Blank
G021-KZ3C	G01-KX3C N34	GOL1K3	Black		Reset or Blank
G021-GZ0C	G01-GX0C N34	GOL1G	Green	None	Reset or Blank
G021-RZ0C	G01-RX0C N34	GOL1R	Red		Reset or Blank
G021-KZ0C	G01-KX0C N34	GOL1K	Black		Reset or Blank

G SINGLE PUSH BUTTON (MAINTAINED CONTACT) MUSHROOM HEAD PUSH – PULL OPERATION

CATALOG NUMBER			COLOR	CONTACT TYPE	NAMEPLATE MARKING
SHORT	LONG	EXTENDED			
GOM21-GM3C	GOM1-GM3C N34	GOML1G3	Green		Blank
GOM21-RM3C	GOM1-RM3C N34	GOML1R3	Red		Blank
GOM21-KM3C	GOM1-KM3C N34	GOML1K3	Black		Blank
GOM21-GM0C	GOM1-GM0C N34	GOML1G	Green	None	Blank
GOM21-RM0C	GOM1-RM0C N34	GOML1R	Red		Blank
GOM21-KM0C	GOM1-KM0C N34	GOML1K	Black		Blank

G DOUBLE PUSH BUTTON (MOMENTARY CONTACT)

CATALOG NUMBER			COLOR	CONTACT TYPE	NAMEPLATE MARKING
SHORT	LONG	EXTENDED			
G022-GR12D	G02-GR12D N34	GOL2GR12	Green/Red		Start/Stop or Blank
G022-KK12D	G02-KK12D N34	GOL2KK12	Black/Black		Start/Stop or Blank
G022-GR33D	G02-GR33D N34	GOL2GR33	Green/Red		Start/Stop or Blank
G022-KK33D	G02-KK33D N34	GOL2KK33	Black/Black		Start/Stop or Blank
G022-GR00D	G02-GR00D N34	GOL2GR	Green/Red	None	Start/Stop or Blank
G022-KK00D	G02-KK00D N34	GOL2KK	Black/Black		Start/Stop or Blank

G DOUBLE PUSH BUTTON (MAINTAINED CONTACT)

CATALOG NUMBER			COLOR	CONTACT TYPE	NAMEPLATE MARKING
SHORT	LONG	EXTENDED			
—	GOR11-GR6D N34	—	Green/Red		Start/Stop or Blank
—	GOR11-GR7D N34	—	Green/Red		Start/Stop or Blank
—	GOR11-GR8D N34	—	Green/Red		Start/Stop or Blank
—	GOR11-GR0D N34	—	Green/Red		None



DIMENSIONS

G DIMENSIONS					
SERIES	FIGURE	A	B	C	D
G01	1	15/16"(24)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
G02	3	13/16"(21)	2"(51)	3-3/4"(95)	—
G0B3	4	1-1/8"(29)	2"(51)	2-3/4"(70)	1-9/16"(40)
G0B4	5	2-3/8"(60)	2-1/4"(57)	4"(101)	1-13/16"(46)
G05	9	1-5/16"(33)	1-3/4"(44)	3-7/16"(87)	1-1/4"(32)
G06,G07,G014,G015	9	1-5/16"(33)	1-3/4"(44)	3-13/16"(97)	1-1/4"(32)
G08	10	2-9/16"(65)	1-3/4"(44)	3-1/2"(89)	1-1/4"(32)
G010	11	1-5/16"(33)	1-3/4"(44)	4"(101)	1-1/4"(32)
G016,G018	7	1-1/4"(32)	1"(25)	13/16"(21)	1-1/2"(38)
G017,G019	7	13/16"(21)	1"(25)	13/16"(21)	1-1/2"(38)
G021	1	15/16"(24)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
G022	3	13/16"(21)	1"(25)	2-3/4"(70)	—
G025	9	1-5/16"(33)	3/4"(19)	2-7/16"(62)	1-1/4"(32)
G026,G027,G034,G035	9	1-5/16"(33)	3/4"(19)	2-13/16"(71)	1-1/4"(32)
G030	11	1-5/16"(33)	3/4"(19)	3"(76)	1-1/4"(32)
G036,G037,G038,G039	10	2-9/16"(65)	1-3/4"(44)	3-7/8"(98)	1-1/4"(32)
G040	2	15/16"(24)	11/16"(17)	1"(25)	1-1/4"(32)
G050	7	1-1/2"(38)	2"(51)	6-5/16"(160)	2-5/16"(59)
G051	7	2-1/4"(57)	1-5/8"(41)	5-9/16"(141)	1"(25)
G056,G057,G058,G059	10	2-9/16"(65)	3/4"(19)	2-7/8"(73)	1-1/4"(32)
G0113,G0114	6	1"(25)	2"(51)	3-5/8"(67)	1-13/16"(46)
G0133,G0134	6	1"(25)	1"(25)	2-5/8"(67)	1-13/16"(46)
GO-11388-078	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GO-11372-093	8	1-5/16"(33)	3/4"(19)	N/A	1-1/2"(38)
GOR11	3	13/16"(21)	2"(51)	4-1/8"(105)	—
GO-RST	2	15/16"(24)	2-5/16"(59)	2-3/8"(+6")(60)	1-1/4"(32)
GOM1	1	1-7/8"(48)	1-7/16"(37)	4"(101)	1-5/8"(41)
EXTENDED LENGTH OPERATORS:					
GOL1	1	15/16"(24)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
GOL2	3	13/16"(210)	2-3/4"(70)	4-1/2"(114)	—
GOL3	4	1-1/8"(29)	2-3/4"(70)	3-3/8"(86)	1-9/16"(40)
GOL4	5	2-3/8"(60)	2-3/4"(70)	4-5/8"(117)	1-13/16"(46)
GOL5	9	1-5/16"(33)	2-3/4"(70)	4-7/16"(113)	1-1/4"(32)
GOL6,GOL7,GOL14,GOL15	9	1-5/16"(33)	2-3/4"(70)	4-13/16"(122)	1-1/4"(32)
GOL8	10	1-9/16"(40)	2-3/4"(70)	4-1/2"(114)	1-1/4"(32)
GOL36,GOL37,GOL38,GOL39	10	1-9/16"(40)	2-3/4"(70)	4-7/8"(124)	1-1/4"(32)
GOL113,GOL114	6	1"(25)	3"(76)	4-5/8"(117)	1-13/16"(46)
GOLRST	2	15/16"(24)	2-3/4"(70)	3"(+6")(76)	1-1/4"(32)

NOTE: All operators are for installation into a 3/4"-14 NPSM opening, except G050, which is used in 1-1/4"-11-1/2 NPSM and GO-11388-078 / GO-11372-093 which are for use in a 3/4"-14 NPT opening.

SPECIAL OPERATORS

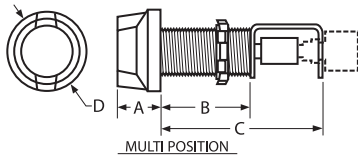


FIGURE 6

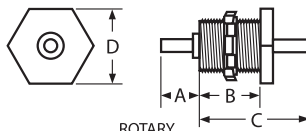


FIGURE 7

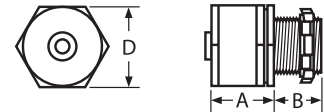


FIGURE 8

SELECTOR SWITCHES

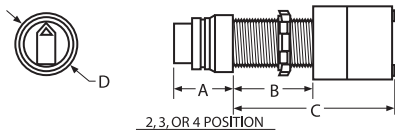


FIGURE 9

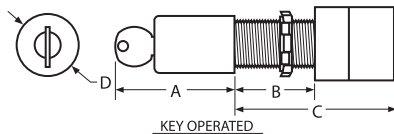


FIGURE 10

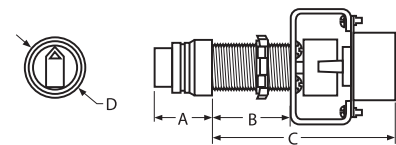


FIGURE 11

PUSH BUTTONS

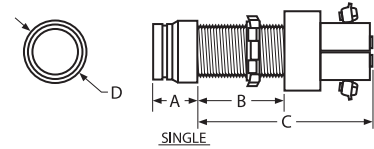


FIGURE 1

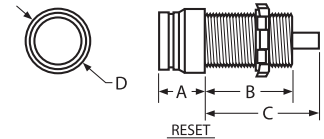


FIGURE 2

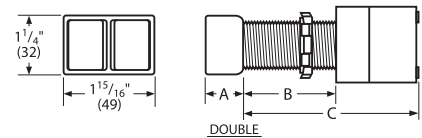


FIGURE 3

PILOT LIGHTS

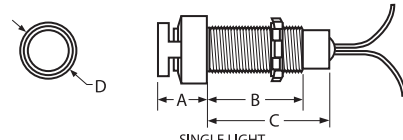


FIGURE 4

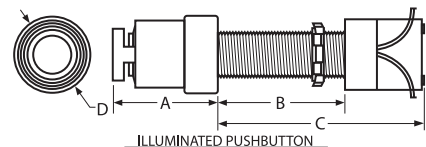


FIGURE 5