

Series D7 Pilot Devices

22mm Design
Saves Panel Space

Heavy Duty
Ratings

Modular Design
Reduces Inventory

Order Assembled or
by Component



Sprecher + Schuh's rugged D7 pilot devices offer maximum flexibility and a wide choice for all applications. This 22mm line is aesthetically appealing and modularly designed to make assembly and interchangeability easy. The D7 operators are available in two different body styles to meet every industrial application need. Both operators exhibit a new lower profile stylish appearance while maintaining the rugged performance necessary for demanding environments.



TWO OPERATOR TYPES

- Plastic operator with captive front bezel
- Metal operator with die-cast zinc housing and captive shiny metal bezel

LESS INVENTORY, MORE CHOICES

- Wide range of style choices
- Modular design for mix and match flexibility
- Endless configurations from core components

LONG ELECTRICAL & MECHANICAL LIFE

- Up to 10 million mechanical operations
- Up to 10 million electrical cycles

QUICK, EASY INSTALLATION

- Tool-less mounting latch for quick assembly
- Anti-rotation tab for one person installation
- Snap-on back panel components

ENVIRONMENTAL RATINGS

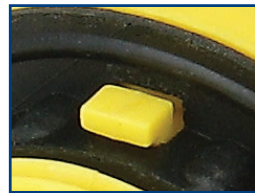
- UL Type 4/4X/13, IP66 Sealing
- Chemical resistant industrial grade thermoplastic body
- Corrosion and UV resistant

Product Features

Tool-less, snap-in design for fast assembly



Easy one-person mounting and removal provide both time and cost savings.



Anti-rotation tab provides accurate alignment and eliminates operator and legend plate rotation. The tab is easily removed for use in panels without notches.

Superior Design



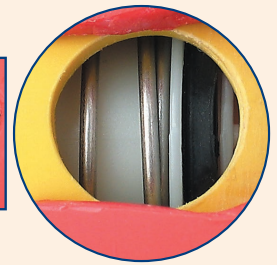
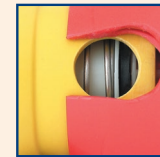
Selector Switch Safety

- Positive Detent
- Constant Energy



Diaphragm Seal

- Flexes with operation
- Dependent on lubrication



K-Seal

- Dual wiping action
- Lubrication trapping extends sealing life



Panel Gaskets

- Seals both panel & mounting blades

Flexibility

D7P



Plastic Operator



Plastic Latch



Integrated LED Module

D7M



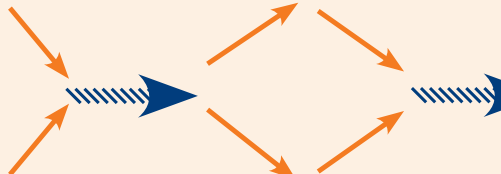
Metal Operator



Metal Latch



Contact Block



Push Buttons



Extended



Flush Guarded*

Illuminated

Momentary, Extended

Plastic	Metal
• D7P-LE0	D7M-LE0
• D7P-LE3	D7M-LE3
• D7P-LE4	D7M-LE4
• D7P-LE5	D7M-LE5
• D7P-LE6	D7M-LE6
○ D7P-LE7	D7M-LE7
∅ D7P-LE9	D7M-LE9

∅ Push Button without Cap

Momentary, Flush*

Plastic	Metal
D7P-LF0	D7M-LF0
D7P-LF3	D7M-LF3
D7P-LF4	D7M-LF4
D7P-LF5	D7M-LF5
D7P-LF6	D7M-LF6
D7P-LF7	D7M-LF7
D7P-LF9	D7M-LF9

* Guarded available on Momentary Flush only

Maintained, Flush

Plastic	Metal
D7P-LFA0	D7M-LFA0
D7P-LFA3	D7M-LFA3
D7P-LFA4	D7M-LFA4
D7P-LFA5	D7M-LFA5
D7P-LFA6	D7M-LFA6
D7P-LFA7	D7M-LFA7
D7P-LFA9	D7M-LFA9

Non-Illuminated

Momentary, Extended

Plastic	Metal
• D7P-E0	D7M-E0
○ D7P-E1	D7M-E1
• D7P-E2	D7M-E2
• D7P-E3	D7M-E3
• D7P-E4	D7M-E4
• D7P-E5	D7M-E5
• D7P-E6	D7M-E6
∅ D7P-E9	D7M-E9

∅ Push Button without Cap

Momentary, Flush*

Plastic	Metal
D7P-F0	D7M-F0
D7P-F1	D7M-F1
D7P-F2	D7M-F2
D7P-F3	D7M-F3
D7P-F4	D7M-F4
D7P-F5	D7M-F5
D7P-F6	D7M-F6
D7P-F9	D7M-F9

* Guarded available on Momentary Flush only

Maintained, Flush

Plastic	Metal
D7P-FA0	D7M-FA0
D7P-FA1	D7M-FA1
D7P-FA2	D7M-FA2
D7P-FA3	D7M-FA3
D7P-FA4	D7M-FA4
D7P-FA5	D7M-FA5
D7P-FA6	D7M-FA6
D7P-FA9	D7M-FA9



Extended



Flush

Illuminated

40mm Mushroom, Momentary

Plastic	Metal
• D7P-LMM3	D7M-LMM3
• D7P-LMM4	D7M-LMM4
• D7P-LMM5	D7M-LMM5
• D7P-LMM6	D7M-LMM6
○ D7P-LMM7	D7M-LMM7



Also available in 60mm Mushroom

Non-Illuminated

40mm Mushroom, Momentary

Plastic	Metal
• D7P-MM42	D7M-MM42
• D7P-MM43	D7M-MM43
• D7P-MM44	D7M-MM44
• D7P-MM45	D7M-MM45
• D7P-MM46	D7M-MM46

Selector Switches

Non-Illuminated



2 Position, Maintained*

Plastic	Metal
• D7P-SM22	D7M-SM22



3 Position, Maintained*

Plastic	Metal
• D7P-SM32	D7M-SM32

Illuminated



2 Position, Maintained*

Plastic	Metal
• D7P-LSM20	D7M-LSM20
• D7P-LSM23	D7M-LSM23
• D7P-LSM24	D7M-LSM24
• D7P-LSM25	D7M-LSM25
• D7P-LSM26	D7M-LSM26
○ D7P-LSM27	D7M-LSM27



3 Position, Maintained*

Plastic	Metal
• D7P-LSM30	D7M-LSM30
• D7P-LSM33	D7M-LSM33
• D7P-LSM34	D7M-LSM34
• D7P-LSM35	D7M-LSM35
• D7P-LSM36	D7M-LSM36
○ D7P-LSM37	D7M-LSM37

* Spring Return versions also available

Multi-function



D7M-LU2EBFA

Illuminated

2 Function

Plastic	Metal
D7P-LU2X	D7M-LU2X



D7M-U2EBFA

Non-Illuminated

2 Function

Plastic	Metal
D7P-U2X	D7M-U2X



D7M-U3E4F34

3 Functions

Plastic	Metal
D7P-U3X	D7M-U3X

Reset Operators



D7M-R611

Mechanical and/or Electrical Reset

Plastic*

- D7P-R1
- D7P-R2
- D7P-R6

Metal*

- D7M-R1
- D7M-R2
- D7M-R6

* Add "11" suffix for "R" text



Pilot Lights

Plastic

- D7P-P0
- D7P-P3
- D7P-P4
- D7P-P5
- D7P-P6
- D7P-P7
- ∅ D7P-P9

Metal

- D7M-P0
- D7M-P3
- D7M-P4
- D7M-P5
- D7M-P6
- D7M-P7
- D7M-P9

∅ Pilot light without lens or diffuser

Monolithic



E-STOP Push Button
Push-Pull and Twist-to-release,
40mm Mushroom, Plastic

D7D-MT44X01	1NC
D7D-MT44X11	1NO 1NC
D7D-MT44X02	2NC



Indicator Light

LED	Incandescent
• D7D-P0N♣	D7D-P0D♣
• D7D-P3N♣	D7D-P3D♣
• D7D-P4N♣	D7D-P4D♣
• D7D-P5N♣	D7D-P5D♣
• D7D-P6N♣	D7D-P6D♣
○ D7D-P7N♣	D7D-P7D♣

♣ Select lamp voltage and terminal type



Selector Switch

2 Position, Maintained	
• D7D-SM22X10	1NO
• D7D-SM22X01	1NC
• D7D-SM22X20	2NO
• D7D-SM22X02	2NC
• D7D-SM22X11	1NO, 1NC

3 Position, Maintained	
• D7D-SM32X20	2NO
• D7D-SM32X02	2NC
• D7D-SM32X11	1NO, 1NC



Push Button

Flush Cap	Extended Cap
○ D7D-F1♣	D7D-E1♣
• D7D-F2♣	D7D-E2♣
• D7D-F3♣	D7D-E3♣
• D7D-F4♣	D7D-E4♣
• D7D-F5♣	D7D-E5♣
• D7D-F6♣	D7D-E6♣

♣ Select cap text and contact configuration

Emergency Stops



Non-Illuminated

Plastic	Metal
D7P-MT34	D7M-MT34

Complete Unit

1NC:	D7P-MT34PX01	D7M-MT34PX01
1 Guardian:	D7P-MT34PX01S	D7M-MT34PX01S



Twist-to-release, 40mm Mushroom

Plastic	Metal
D7P-MT44	D7M-MT44

Complete Unit

1NC:	D7P-MT44PX01	D7M-MT44PX01
1 Guardian:	D7P-MT44PX01S	D7M-MT44PX01S



Twist-to-release, 60mm Mushroom

Plastic	Metal
D7P-MT64	D7M-MT64

Complete Unit

1NC:	D7P-MT64PX01	D7M-MT64PX01
1 Guardian:	D7P-MT64PX01S	D7M-MT64PX01S



Illuminated

Twist-to-release, 40mm Mushroom

Plastic	Metal
D7P-LMT44	D7M-LMT44

Complete Unit

1NC:	D7P-LMT44PX01	D7M-LMT44PX01
1 Guardian:	D7P-LMT44PX01S	D7M-LMT44PX01S



Keyed

Twist-to-release, 40mm Mushroom

Plastic	Metal
D7P-MK44	D7M-MK44

Complete Unit

1NC:	D7P-MK44PX01	D7M-MK44PX01
1 Guardian:	D7P-MK44PX01S	D7M-MK44PX01S

Push-Pull Operators



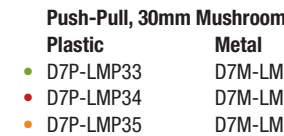
2 Position Illuminated

Push-Pull, 40mm Mushroom

Plastic	Metal
• D7P-LMP43	D7M-LMP43
• D7P-LMP44	D7M-LMP44
• D7P-LMP45	D7M-LMP45

Complete Unit

1NC:	D7P-LMP44PX01	D7M-LMP44PX01
1 Guardian:	D7P-LMP44PX01S	D7M-LMP44PX01S



Push-Pull, 30mm Mushroom

Plastic	Metal
• D7P-LMP33	D7M-LMP33
• D7P-LMP34	D7M-LMP34
• D7P-LMP35	D7M-LMP35

Push-Pull, 60mm Mushroom

Plastic	Metal
• D7P-LMP63	D7M-LMP63
• D7P-LMP64	D7M-LMP64
• D7P-LMP65	D7M-LMP65



2 Position Non-Illuminated

Push-Pull, 40mm Mushroom

Plastic	Metal
• D7P-MP42	D7M-MP42
• D7P-MP44	D7M-MP44

Complete Unit

1NC:	D7P-MP44PX01	D7M-MP44PX01
1 Guardian:	D7P-MP44PX01S	D7M-MP44PX01S



3 Position Non-Illuminated

Push-Pull, 40mm Mushroom

Momentary	Maintained
• D7M-MM42-E3	D7M-MP42-E3
• D7M-MM43-E3	D7M-MP43-E3
• D7M-MM44-E3	D7M-MP44-E3



3 Position Illuminated

Push-Pull, 40mm Mushroom

Momentary	Maintained
• D7M-LMM40-E3	D7M-LMP40-E3
• D7M-LMM43-E3	D7M-LMP43-E3
• D7M-LMM44-E3	D7M-LMP44-E3
• D7M-LMM46-E3	D7M-LMP46-E3
• D7M-LMM47-E3	D7M-LMP47-E3

Accessories



Other Switches



Toggle Switch

Metal

2 Position

D7M-JR2
D7M-JM2

Momentary
Maintained

4 Position

D7M-JR4
D7M-JM4

Momentary
Maintained



Selector/Jog Operators



2 Position

Plastic

- D7P-SJ22
- D7P-SJ23

Metal

D7M-SJ22
D7M-SJ23



3 Position

Plastic

- D7P-SJ32
- D7P-SJ33

Metal

D7M-SJ32
D7M-SJ33



Potentiometer

Single Turn, Assembled

Plastic

D7P-POTA
D7P-POT1A
D7P-POT2A
D7P-POT3A
D7P-POT4A
D7P-POT5A
D7P-POT6A

Resistive Element

None (Operator Only)
150 Ω
500 Ω
1000 Ω
2500 Ω
5000 Ω
10000 Ω



Key Selector Switches

2 Position, Maintained *

Plastic

D7P-KM21
D7P-KM22
D7P-KM23

Metal

D7M-KM21
D7M-KM22
D7M-KM23



3 Position, Maintained *

Plastic

D7P-KM31
D7P-KM33
D7P-KM34
D7P-KM35

Metal

D7M-KM31
D7M-KM33
D7M-KM34
D7M-KM35

* Spring Return versions also available

Components

Mounting Latches



Plastic Latch
D7-ALP



Metal Latch
D7-ALM



Screw Type



Dual Circuit



Base Mount

Contact Blocks

(mounting latch not included)

Screw Type

D7-X10 1NO
D7-X01 1NC
D7-X01B 1NC Early Break
D7-X10E 1NO Early Make
D7-X01L 1NC Late Break
D7-X10V(1mA) 1NO Low Voltage
D7-X01V(1mA) 1NC Low Voltage
D7-Q10 1NO Screwless
D7-Q01 1NC Screwless

Dual Circuit/Guardian

D7-X01S Guardian Block
D7-X20D 2NO Dual Circuit
D7-X02D 2NC Dual Circuit
D7-X11D 1NO/1NC Dual Circuit

Base Mount

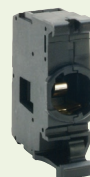
D7-BX10 1NO
D7-BX01 1NC
D7-BX10E 1NO Early Make
D7-BX01L 1NC Late Break
D7-BX10V(1mA) 1NO Low Voltage
D7-BX01V(1mA) 1NC Low Voltage
D7-BQ10 1NO Screwless
D7-BQ01 1NC Screwless



Screw Type



Spring-Clamp



Base Mount

Integrated LED Module

(mounting latch not included)

* Add LED Color, R=red, G=green, W=white

Screw Type

D7-N3* 24V AC/DC
D7-N5* 120V AC
D7-N7* 240V AC
D7-NU* 24...120V AC/DC

Spring-Clamp

D7-Q3* 24V AC/DC
D7-Q5* 120V AC
D7-Q7* 240V AC

Base Mount

D7-BN3* 24V AC/DC
D7-BN5* 120V AC
D7-BN7* 240V AC

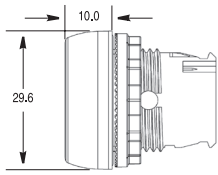
Incandescent Power Module

(bulb D7-N* not included)

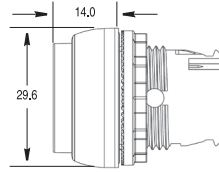
D7-DOC 6-240V AC/DC

Product Dimensions

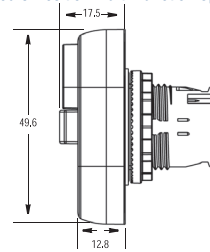
Non-Illuminated and Illuminated
Flush Push Button Operators (D7x-F)



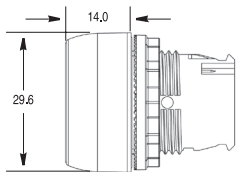
Illuminated and Non-Illuminated
Extended Push Button Operators



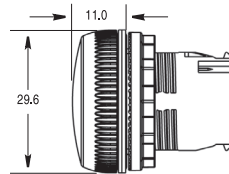
Non-Illuminated 3-Position Multi-Function Operators (D7x-U3)



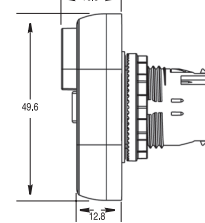
Non-Illuminated Guarded and Non-Illuminated
Maintained Push Button Operators (D7x-G and D7x-FA)



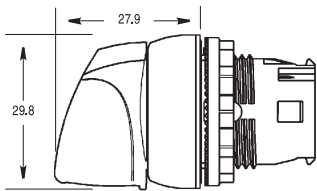
Pilot Light Operators (D7x-P)



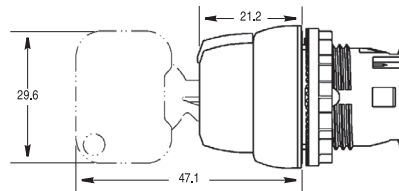
Illuminated and Non-Illuminated 2-Position Multi-Function
Operators (D7x-LU2 & D7x-U2)



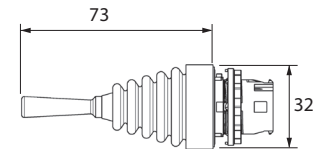
Illuminated and Non-Illuminated Knob Selector Switch
Operators (D7x-LS & D7x-S)



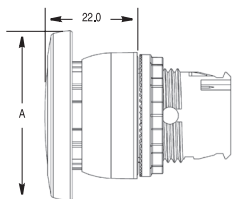
Key Selector Switch Operators (D7x-K)



Toggle Switch Operators (D7x-JM)

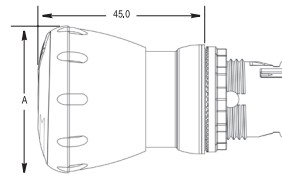


Illuminated and Non-Illuminated
Momentary Mushroom Operators
40mm and 60mm (D7x-LMM & D7x-MM)



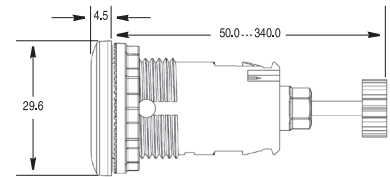
Operator	A
40mm	39.8
60mm	59.8

Illuminated and Non-Illuminated Twist-to-Release
Operators 30mm, 40mm, and 60mm (D7x-MT)

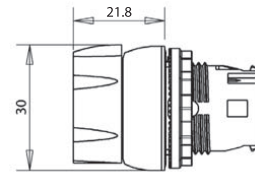


Operator	A
30mm	30
40mm	40
60mm	60

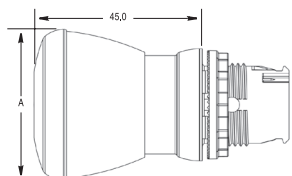
Reset Operators (D7x-R)



Selector Jog Operators (D7x-SJ)

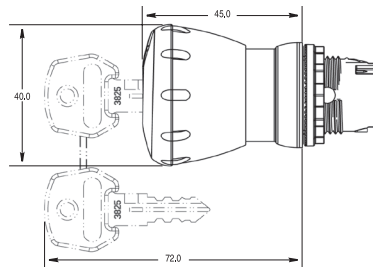


Illuminated and Non-Illuminated
Push-Pull Mushroom Operators 30mm, 40mm, and 60mm
(D7x-MP)



Operator	A
30mm	30
40mm	40
60mm	60

Mushroom Key Release Operator 40mm (D7x-MK)



Potentiometer with Resistive Element (D7P- POT)

