Pneumatic Key Selector Switches, 22mm

Key selector switches

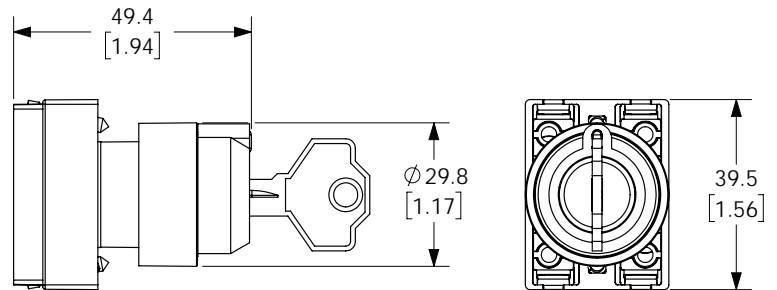| Part Number	Color	Description	Weight (lbs)	Price
ECP3420	Black	NITRA pneumatic selector switch, IP65, 22mm, 2-position, maintained, key removable in all positions, plastic base, plastic bezel, operator only, Operator: black, key, 30mm, round, plastic.	0.17	$11.00
ECP3430	Black	NITRA pneumatic selector switch, IP65, 22mm, 2-position, spring return from right, key removable left position, plastic base, plastic bezel, operator only, Operator: black, key, 30mm, round, plastic.	0.17	$11.00
ECP3470	Black	NITRA pneumatic selector switch, IP65, 22mm, 3-position, maintained, key removable in all positions, plastic base, plastic bezel, operator only, Operator: black, key, 30mm, round, plastic.	0.17	$10.00

ECP3420

ECP3470

Note: Keyed switches come with two keys. All plastic 22mm keyed switches are keyed the same. Replacement keys are available. Order part no. ECX1067-2 (pkg. of 2). Keys for plastic 22mm keyed switches are not compatible with Cutler-Hammer key switches.

Dimensions
mm [inches]

49.4
[1.94]

∅ 29.8
[1.17]

39.5
[1.56]

Pneumatic switch accessory - support base with adapters

Part Number	Description	Weight (lbs)	Price
ECP3029-02	NITRA valve adapter block, replacement, plastic. For use with ECP series pneumatic pushbuttons.	0.03	$1.00

ECP3029-02

Dimensions
mm [inches]

37.5
[1.48]

17.5
[0.69]

29.8
[1.17]
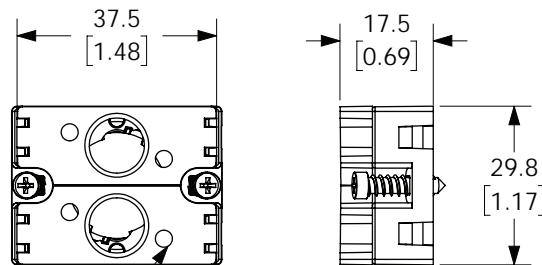
M3 THRU HOLE
SCREWS INCLUDED

Note: base sold as three piece kit.

See our website www.AutomationDirect.com for complete Engineering drawings.

Pneumatic Pushbuttons, 22mm

NITRA® pneumatic pushbuttons are all plastic and come with adapters to allow mounting of up to two 3-way valves, or one valve and one to three contact blocks. They fit in a standard 22.5mm hole, just like electrical pushbuttons.
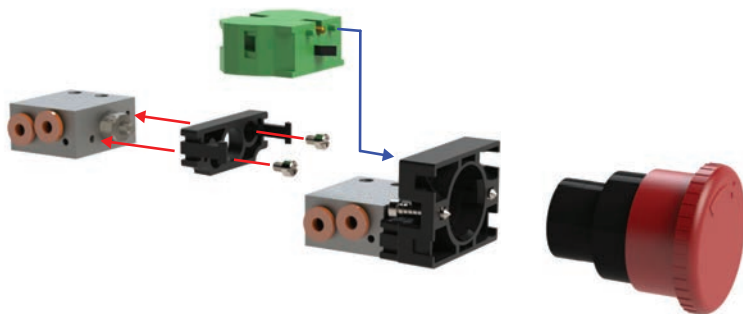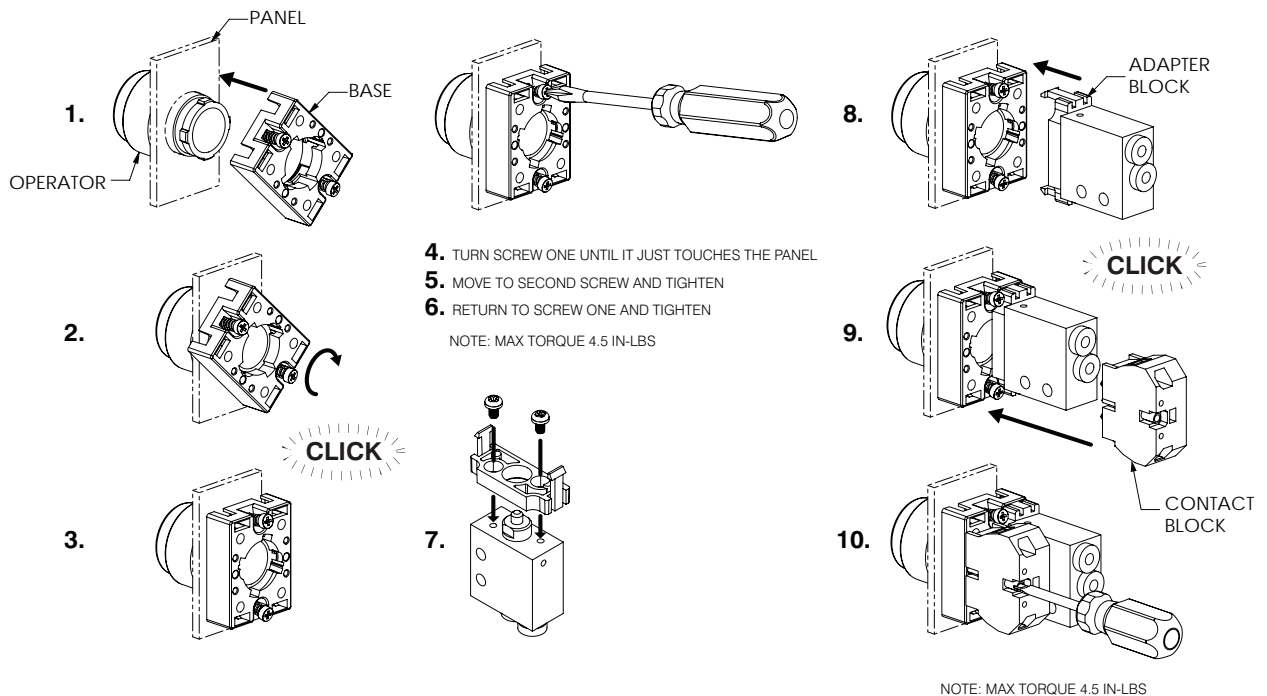
Features

- Plastic bezel and button
- Valve adapters and mounting screws included
- Valves sold separately
- Bases will work with GCX plastic operators and **only** the three ECX Series contact blocks shown below

CE

Pushbutton Specifications	
Operating Temperature	-13 to 158ºF (-25 to +70ºC)
Storage Temperature	-40 to 176ºF (-40 to +80ºC)
Mechanical Life	1,000,000 cycles
Switching Cycles	3600 cycles/hr
Mounting (Valve)	(4) M3x5 valve mounting screws included
Protection	IP65 after installation
Approvals	CE

Adapter Block Installation

1. PANEL / BASE / OPERATOR

2.

3. CLICK

4. TURN SCREW ONE UNTIL IT JUST TOUCHES THE PANEL
5. MOVE TO SECOND SCREW AND TIGHTEN
6. RETURN TO SCREW ONE AND TIGHTEN

NOTE: MAX TORQUE 4.5 IN-LBS

7.

8. ADAPTER BLOCK

9. CLICK

10. CONTACT BLOCK

NOTE: MAX TORQUE 4.5 IN-LBS

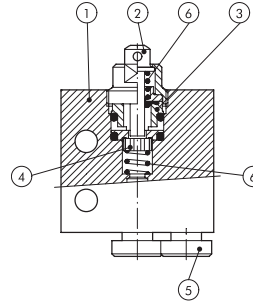**ECX1040-2**

ECX1042-2

ECX1030-2

Pneumatic Manual Valves

NITRA PNEUMATICS

Pneumatic Manual Valve Materials

1. Aluminum valve body
2. Chemically nickel-plated brass button
3. Brass distance plates
4. NBR gaskets
5. Stainless steel, brass and plastic push-to-connect cartridges
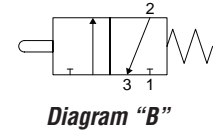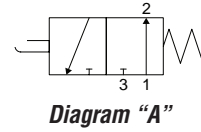6. Stainless steel springs

Pneumatic Metal Plunger Valves

These pneumatic valves are used with Nitra pneumatic pushbuttons and switches

Features

- Available in normally open or normally closed
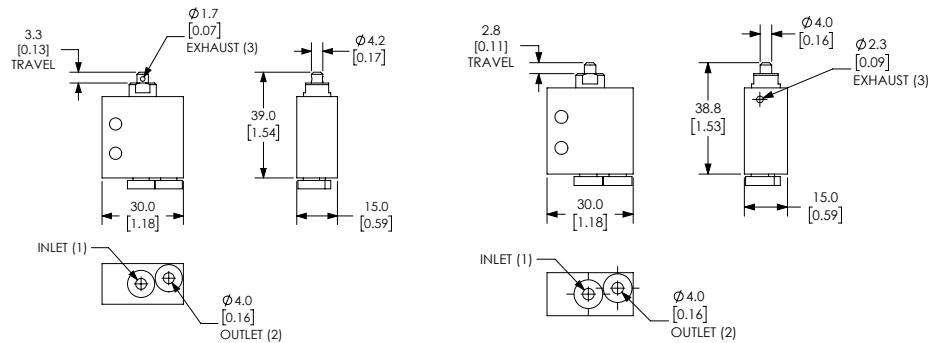- 5/32" [4mm] push-to-connect ports located on side or end

Valve Symbols

Diagram "A"   *Diagram "B"*
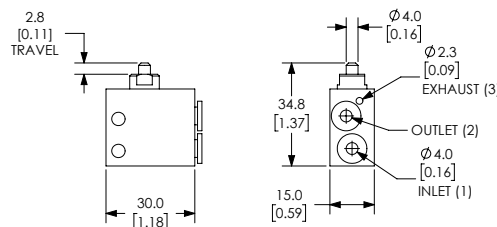
Specifications				
Models	EVP-CA-PL	EVP-AA-PL	EVP-CS-PL	EVP-AS-PL
Price	$19.00	$21.00	$17.50	$19.00
Weight (lbs)	0.1	0.1	0.1	0.1
Valve Type	2-port (3-way) 2-position			
Acting	Metal plunger, normally closed, spring return	Metal plunger, normally open, spring return	Metal plunger, normally closed, spring return	Metal plunger, normally open, spring return
Diagram	B	A	B	A
Port Size	Axial ports 5/32in (4mm)		Side ports 5/32in (4mm)	
Flow (Cv)	0.13	0.13	0.13	0.13
Fluid	Air (to be filtered by 40µ filter element)			
Min. / Max. Pressure	7.25 to 145 psi (0.5 to 10 bar)			
Temperature	14ºF to 140ºF (-10ºC to 60ºC)			
Lubrication	Not Required			
Body	Aluminum			
Protection	IP65			

EVP-CA-PL

EVP-CS-PL

Dimensions
mm [inches]

Ø1.7 [0.07] EXHAUST (3)
3.3 [0.13] TRAVEL
Ø4.2 [0.17]
39.0 [1.54]
30.0 [1.18]
15.0 [0.59]
INLET (1)
Ø4.0 [0.16] OUTLET (2)

EVP-CA-PL

2.8 [0.11] TRAVEL
Ø4.0 [0.16]
Ø2.3 [0.09] EXHAUST (3)
38.8 [1.53]
30.0 [1.18]
15.0 [0.59]
INLET (1)
Ø4.0 [0.16] OUTLET (2)

EVP-AA-PL

2.8 [0.11] TRAVEL
Ø4.0 [0.16]
Ø2.3 [0.09] EXHAUST (3)
34.8 [1.37]
OUTLET (2)
Ø4.0 [0.16] INLET (1)
30.0 [1.18]
15.0 [0.59]

EVP-CS-PL / EVP-AS-PL

See our website www.AutomationDirect.com for complete Engineering drawings.