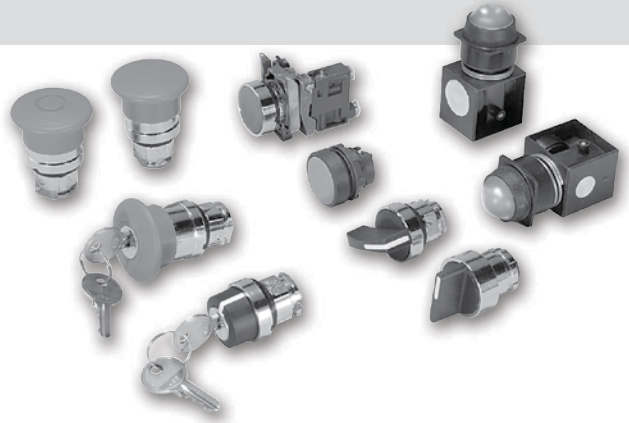




Control Panel Products

HUMAN-MACHINE DIALOG requires devices such as push buttons and selector switches to provide command inputs. A wide variety of these devices are available to meet most application needs; in both pneumatic and electrical switch bodies. All of these devices use the 22 mm (7/8") mounting standard.





Complete Assemblies— 3/2 Valve Bodies with 5/32" Instant Straight Connections

Flush Push Buttons

	Color	Function	Type of switching*	Part number
	Black	Spring return	NNP	PXBB3111BA2
	Green			PXBB3111BA3
	Red			PXBB3111BA4
	Black	Spring return	NNP+NP	PXBB3251BA2
	Black	Spring return	Single universal 3-way	PXBB4131BA2
	Green			PXBB4131BA3
	Red			PXBB4131BA4
	Black	Spring return	Dual universal 3-way	PXBB4231BA2




* Type of switching: Universal 3-way: valve can be connected either as NP or NNP as required by connecting the primary air supply to port 1 or port 3.
Note: Mount up to three valves on mounting ring.

Mushroom Head Push Buttons (40mm Diameter)


	Color	Function	Type of switching*	Part number
	Black	Spring return	NNP	PXBB3111BC2
	Red	Push-pull		PXBB3111BT4
	Red	Push-pull		NP
	Black	Spring return	Single universal 3-way	PXBB4131BC2
	Red	Push-pull		PXBB4131BT4

* Type of switching: Universal 3-way: valve can be connected either as NP or NNP as required by connecting the primary air supply to port 1 or port 3.
Note: Mount up to three valves on mounting ring.

Selector Switches

	Color	Function	Type of switching*	Part number
	Black	2 maintained positions with std. handle	NNP	PXBB3111BD2
	Black		NNP+NP	PXBB3211BD2
	Black		NNP+NP	PXBB3251BD2
	Black	3 maintained positions with std. handle	NNP+NP	PXBB3211BD3
	Black	3 maintained positions with std. handle	NNP+NP	PXBB3251BD3
	Black		3 positions, spring return to center with long handle	NNP+NP
	Black	2 maintained positions with std. Handle	Single universal 3-way	PXBB4131BD2
	Black	2 maintained positions with std. handle	Dual universal 3-way	PXBB4231BD2
	Black	3 maintained positions with std. handle	Dual universal 3-way	PXBB4231BD3
	Black	3 maintained positions with long handle	Dual universal 3-way	PXBB4231BJ5





* Type of switching: Universal 3-way: valve can be connected either as NP or NNP as required by connecting the primary air supply to port 1 or port 3.

 Most popular.

Control Panel Products
 Sensing / Limit Switches
D
 Accessories Valve Products



For Use With PXBB Valve Bodies and ZBE Electrical Switch Bodies

Push Buttons

	Color	Function	Type	Part number	Plastic head**	Metal head*	
	Black	Spring return	Flush	ZB5AA2	ZB4BA2	ZB4BA2	
	Green			ZB5AA3			ZB4BA3
	Red			ZB5AA4			ZB4BA4
	Yellow			—			ZB4BA5
	Blue			—			ZB4BA6
	Black	Spring return	Extended	ZB5AL2	ZB4BL2	ZB4BL2	
	Green			ZB5AL3			ZB4BL3
	Red			ZB5AL4			ZB4BL4
	Yellow			—			ZB4BL5
	Black	Spring return	Booted	—	ZB4BP2	ZB4BP2	
	Green			—			ZB4BP3
	Red			—			ZB4BP4
	Black	Detent 2 position	Flush	—	ZB4BH02	ZB4BH02	
	Green			—			ZB4BH03
	Red			—			ZB4BH04

* ZB4*** model numbers are metal head operators
 ** ZB5*** model numbers are plastic head operators



Mushroom Head Push Buttons

	Color	Function	Description	Part number*
	Black	Spring return	Ø 40mm head	ZB4BC2
	Green			ZB4BC3
	Red			ZB4BC4
	Black			Latching push-pull
Green	ZB4BT3			
	Red	Spring return	Ø 60mm head	ZB4BT4
	Black			ZB4BR2
	Green			ZB4BR3
	Red			ZB4BR4

* ZB4*** model numbers are metal head operators



For Push Buttons and Visual Indicators

Mounting Ring for Valve Bodies, Switch Bodies and Operating Heads

Description	Part number
 Metal mounting ring	ZB4BZ009
 Plastic mounting ring	ZB5AZ009

Note: To release push button from mounting ring, pull lever on top of mounting ring up and remove push button operator. To assemble push button operator to mounting ring, align arrows and snap into place.

Selector Switches

Standard black handle			
Description	Function	Part number*	
Maintained	2 positions	ZB4BD2	
Spring return from right to left		ZB4BD4	
Maintained	3 positions	ZB4BD3	
Spring return to center from left and right		ZB4BD5	
Maintained right spring return from left to center	3 positions	ZB4BD7	
Maintained left spring return from right to center	3 positions	ZB4BD8	
Long Black Handle			
Maintained	2 positions	ZB4BJ2	
Spring return from right to left		ZB4BJ4	
Maintained	3 positions	ZB4BJ3	
Spring return to center from left and right		ZB4BJ5	

* ZB4*** model numbers are metal head operators

Key Operated Selectors

Key withdrawal	Function	Part number*
Left	2 maintained positions	ZB4BG2
Left and right		ZB4BG4
Center	3 maintained positions	ZB4BG3
Left and right		ZB4BG5
Center	3 positions 2 spring return to center	ZB4BG7

* ZB4*** Model numbers are metal head operators

Mushroom Head Push Buttons with Key Select

Color	Function	Description	Part number*
Red	Latching turn to release	Ø 40mm head	ZB4BS54
Red	Key latching		ZB4BS14
Red	Latching turn to release	Ø 60mm head	ZB4BS64
Red	Key latching		ZB4BS24

* ZB4**** model numbers are metal head operators

For Use With 2B4* Metal Operating Heads**

3/2 Valve Bodies with Mounting Ring



Connections	Function	Type of switching*	Part number
5/32" Instant	3/2	NNP	PXBB3111B
5/32" Instant	3/2	NP	PXBB3121B
5/32" Instant	3/2	Universal 3-way	PXBB4131B

* NNP: Normally non-passing.
 Note: Mount up to 3 valves on mounting ring for push buttons.
 Mount up to 2 valves on mounting ring for selector switches, valves cannot be mounted in center position.

Additional Valve Bodies



Connections	Function	Type of switching*	Part number
5/32" instant straight	3/2	NNP	PXBB3911
5/32" instant swivel			PXBB3912
5/32" instant straight	3/2	NP	PXBB3921
5/32" instant swivel			PXBB3922
5/32" instant straight	3/2	Universal	PXBB4931
5/32" instant swivel			3 way

* NNP: Normally non-passing.

For Push Buttons and Visual Indicators

Legend Plates for PXBB Devices (22mm)

Description	Part number		
Without text for customer engraving			
Black / red background (white letters)	ZBY2101		
Yellow / white background (black letters)	ZBY4101		
With text for push buttons			
Start	ZBY2303		
Stop	ZBY2304		
Forward	ZBY2305		
Reverse	ZBY2306		
Up	ZBY2307		
Down	ZBY2308		
Right	ZBY2309		
Left	ZBY2310		
On	ZBY2311		
Off	ZBY2312		
Open	ZBY2313		
Close	ZBY2314		
Inch	ZBY2321		
Reset	ZBY2323		
Power On	ZBY2326		
Slow	ZBY2327		
Fast	ZBY2328		
Emergency stop	ZBY2330		
Run	ZBY2334		
With text for 2-position selectors			
Off	On	ZBY2367	
With text for 3-position selectors			
Hand	Off	Auto	ZBY2387



Blank Legend Plates for Inscription

For PXBB devices (2 lines of 11 characters maximum)

Please indicate the required text when ordering.
 (Allow 3 weeks for delivery)

Description	Part number
Black background / White letters	ZBY2002

For 22mm Visual Indicators Only

2 lines of 11 characters maximum

Please indicate the required text when ordering.
 (Allow 3 weeks for delivery)

Description	Part number
Black background / white letters	ZB2BY2002

Electrical Switch Bodies

When combined with pneumatic valves, these contact blocks allow different forms of power to be provided from a single push button. Can be mounted with both types of valves PXBB3 / PXBB4.

Type of contact	Part number
Normally open (NO)	ZBE101
Normally closed (NC)	ZBE102


Note: Plastic mounting ring ZB5AZ009 to be used with ZB5 plastic operating heads. Metal mounting ring ZB4BZ009 to be used with ZB4 metal operating heads.

Electrical specification: 240V, 10 Amp

Control Panel Products
 Sensing / Limit Switches
D
 Accessories Valve Products


With 5/32" Instant Connections

22mm Visual Indicators


Black Plastic Bezel	Color	Part number "ON" indicator	Part number "OFF" indicator
	Green	PXVF131	PXVF1213
	Red	PXVF141	PXVF1214
	Yellow	PXVF151	PXVF1215
	Blue	PXVF161	PXVF1216
	White	PXVF111	PXVF1211

Notes: The Pneumatic Indicators are black in one position and colored in the other. The colored position corresponds either to the presence of a pressure ("ON" Indicator) or the absence of pressure ("OFF" Indicator).


Two-Hand Controls

	Connections	Part number
	5/32" Instant	PXPC111


Mounting Accessories

	Color	Description	Part number
	—	Plastic head (ZB5) mounting nut tightening tool	ZB5AZ905
	Black plastic	Guard for 40mm	ZBZ1602

Two-Hand Control Module

	Connections	Part number
	5/32" Instant	PXPA11

Two-Hand Control Module Guard

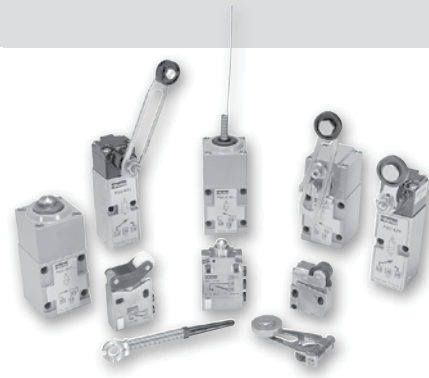
	Base component	Part number
	PXPC111	PPRL15

Sensing

To achieve the sensing or feedback function, pneumatic sensors can be:

- Limit switches in a variety of sizes and configurations
- Pressure switches with many adjustable ranges
- Components designed specifically for pneumatic technology using pressure variation, air bleed or blocking for detection.

A wide variety of pneumatic sensors are available to suit any application requirement.



Material specifications

Body	Zinc alloy
Poppets	Polyurethane
Seals	Nitrile (Buna N)

Operating information

Operating pressure:	40 to 115 PSIG (3 to 8 bar)
Operating temperature:	
Operating	32°F to 122°F (0°C to 50°C)
Storage	-22°F to 140°F (-30°C to 60°C)

3/2 Miniature Direct Acting Limit Switches 1/16" I.D. Internal Orifice

	Actuator	Type of switching*	Flow SCFM (NI/min)	Nominal bore	Connection	Part number
	Steel plunger operating levers available	NNP	2.2 (60)	1/16" (1.5mm)	5/32" instant	PXCM111
					10-32 UNF	PXCM115
	Plastic roller	NNP	3.0 (85)		5/32" instant	PXCM121
					10-32 UNF	PXCM125

7/64" I.D. Internal Orifice

	Plastic roller	NNP			5/32" instant	PXCM521
--	----------------	-----	--	--	---------------	----------------

Actuators For Steel Plunger (Use with PXCM11*)

	Plastic roller lever					PXCZ11
	Plastic roller lever, one way trip					PXCZ12

3/2 Compact Pilot Operated Limit Switches 7/64" I.D. Internal Orifice, 5/32" Instant Connections, Pipeable Exhaust Port

	Actuator	Type of switching*	Flow SCFM (NI/min)	Nominal bore	Connection	Part number
	Steel plunger operating levers available					PXCM601A110
	Steel roller plunger	NNP	8.8 (250)	7/64" (2.5mm)	5/32" instant	PXCM601A102
	90° Steel roller plunger					PXCM601A103

* NNP: Normally non-passing.

Most popular.

Control Panel Products

Sensing / Limit Switches





D

Accessories Valve Products

Standard Duty Limit Switches – “K” Series



Plunger Operated Limit Switches

1/8" I.D. Internal Orifice, 5/32" Instant Connections, Pipeable Exhaust Port


	Actuator	Type of switching*	Flow SCFM (NI/min)	Nominal bore	Connection	Part number
	Steel plunger	NNP	7.4 (210)	1/8" (3mm)	5/32" instant	PXCK21101
		NP				PXCK22101
	Steel roller plunger	NNP				PXCK21102
		NP				PXCK22102
	Plastic roller plunger	NNP				PXCK21121
		NP				PXCK22121
	Cats whisker	NNP				PXCK21106
		NP				PXCK22106

Roller Operated Limit Switches


1/8" I.D. Internal Orifice, 5/32" Instant Connections, Pipeable Exhaust Port



	Actuator	Type of switching*	Flow SCFM (NI/min)	Nominal bore	Connection	Part number
	Fixed delrin roller lever multi-function head actuates: - from right and left - from right - from left	NNP	7.4 (210)	1/8" (3mm)	5/32" instant	PXCK2110031
		NP				PXCK2210031
	Adjustable delrin roller lever multi-function head actuates: - from right and left - from right - from left	NNP				PXCK2110041
		NP				PXCK2210041

Separate Pneumatic Switch Bodies

	Actuator	Type of switching*	Part number
	For use with ZCK series operating heads	NNP	PXCK211
		NP	PXCK221

Pneumatic Switch Bodies with Rotary Heads


	Actuator	Type of switching*	Part number
	Multi-function head actuates: - from right and left - from right - from left	NNP	PXCK21100
		NP	PXCK22100

* NNP: Normally non-passing. 
 NP: Normally passing. 

Standard Duty Limit Switches – “K” Series









Operating Heads

For Use With PXCK Switch Bodies

Actuator	Description	Part number
Rotary operated		
	Die cast zinc	ZCKG00
Plunger operated		
Roller plunger	Plunger operated	ZCKD02
Whisker		ZCKD06
Rod plunger		ZCKD10
Delrin roller lever on plunger		ZCKD21
Steel roller lever on plunger		ZCKD23


Operating Levers for Rotary Heads

For Use With Rotary Head ZCKG00


Actuator	Description	Part number
	Steel 1/8" square	ZCKY51
	Fiberglass 1/8" dia. round	ZCKY52
	Plastic spring rod lever	ZCKY81
	Metal spring rod lever	ZCKY91
	Delrin roller lever	ZCKY11
	Steel roller lever	ZCKY13
	Adjust. delrin roller lever	ZCKY41
	Adjust. steel roller lever	ZCKY43

Heavy Duty Limit Switches – “J” Series

Switch Bodies Only











	Type of switching*	Part number
	NNP	PXCJ117
	NP	PXCJ127

Separate Pneumatic Switch Bodies

	Direction of actuator	Type of switching*	Part number
	Right & left, spring return	NNP	PXCJ11701
	Right or left, spring return		PXCJ11705
	Right & left, spring return	NP	PXCJ12701
	Right or left, spring return		PXCJ12705










Operating Levers for Rotary Heads



Die Cast Zinc. For Use With PXCJ Switch Bodies

Operator	Description	Part number
	Delrin roller	ZC2JY11
	Steel roller	ZC2JY13
	Offset delrin roller	ZC2JY21
	Plastic spring rod	ZC2JY81
	Metal spring rod	ZC2JY91
	Delrin roller	ZC2JY31
	Offset delrin roller	ZC2JY41
	Rod lever	ZC2JY51
	Single track, delrin roller	ZC2JY71
	Double track, delrin rollers	ZC2JY61

Top Plunger & Rotary Operating Heads

Die Cast Zinc. For Use With PXCJ Switch Bodies

Operation	Description	Part number
Top Plunger Type		
	Top push	ZC2JE61
	Top roller push	ZC2JE62
	Side push	ZC2JE63
	Cat's whisker	ZC2JE70
Rotary Type		
	From left & right	ZC2JE01
	Counterclockwise from right	ZC2JE02
	Clockwise from left	ZC2JE03
	From left or right	ZC2JE05
	Maintained positions	ZC2JE09

* NNP: Normally non-passing. 
 NNP: Normally passing. 

Control Panel Products
Sensing / Limit Switches
D
Accessories Valve Products

The blocking valve is a single acting spring return 2/2 valve in a fitting format. The device requires a pneumatic pilot signal to open, which allows free flow of air or neutral gas. As long as a pilot signal is present, the device will remain open. When the pilot signal is removed, the internal spring will close the blocking valve, bubble tight.

These devices have two primary design uses: (1) to prevent unwanted gravity induced motion in cylinders during shut down procedures or during periods of lost supply pressure and (2) freezing the cylinder position by using a blocking valve at each end of the cylinder. Application needs such as tool or work piece protection, horizontal indexing or inspection stops are often satisfied by these devices.





Material specifications

Body	Zinc alloy
------	------------



Operating information

Operating pressure:	0 to 150 PSIG (0 to 10.3 bar)
Operating temperature:	
Operating	5°F to 140°F (-15°C to 60°C)
Storage	-40°F to 160°F (-40°C to 70°C)

For Cylinder Mounting
 (Can also be mounted in Threshold Sensor Banjo)
With Instant Tube Fittings

BSPP				NPT				
Symbol	Connection for pilot	Cylinder port thread (male)	Connection for tube	Part number	Connection for pilot	Cylinder port thread (male)	Connection for tube	Part number
  PWBA3469	4mm Tube	1/8"	6mm	PWBA1468	5/32" Tube	1/8"	1/4"	PWBA3468
		1/4"	6mm	PWBA1469		1/4"	1/4"	PWBA3469
		1/4"	8mm	PWBA1489		3/8"	3/8"	PWBA3493
		3/8"	8mm	PWBA1483		1/2"	1/2"	PWBA3412
		3/8"	10mm	PWBA1493				
		1/2"	12mm	PWBA1412				

With Threaded Connections and Tube Pilot Port

BSPP				NPT				
Symbol	Connection for pilot	Cylinder port thread (male)	Connection from valve (female)	Part number	Connection for pilot	Cylinder port thread (male)	Connection from valve (female)	Part number
  PWBA3833	4mm Tube	1/8"	1/4"	PWBA1898	5/32" * Tube	1/8"	1/8"	PWBA3888
		1/4"	1/4"	PWBA1899		1/4"	1/4"	PWBA3899
	M5 Female	3/8"	3/8"	PWBA1833		3/8"	3/8"	PWBA3833
		1/2"	1/2"	PWBA1822		1/2"	1/2"	PWBA3822

* Instant fitting

With Threaded Connections and Threaded Pilot Port

NPT			
Connection for pilot	Cylinder port thread (male)	Connection from valve	Part number
1/8" pipe	1/8"	1/8"	PWBA38887
	1/4"	1/4"	PWBA38997
	3/8"	3/8"	PWBA38337
	1/2"	1/2"	PWBA38227

The plug-in threshold sensors provide feedback information on pneumatic cylinder status in either pneumatic or electrical outputs. Mounted into the cylinder port, these devices monitor the back pressure of the cylinder's exhaust. When the cylinder's piston stops, the back pressure rapidly drops and the threshold sensor provides the desired output. Ideal for variable stroke applications such as robotics where other sensor type devices such as limit switches are impractical, these devices provide a signal whenever the cylinder stops motion.

The threshold sensor consists of two complementary sub assemblies (1) the banjo fitting and (2) the plug-in sensor element. In all cases, the sensor is easily plugged into the banjo fitting and locked in place with a spring clip. The banjo fitting is designed to accept (piggy backed) other functional fittings such as flow controls or blocking valves. Simply select the sensor based on the type feedback signal that best fits the application.




Material specifications

Body	Thermoplastic
Mounting screw	Brass



Operating information

Operating pressure:	0 to 150 PSIG (0 to 10.3 bar)
Operating temperature:	
Operating	5°F to 140°F (-15°C to 60°C)
Storage	-40°F to 160°F (-40°C to 70°C)

Banjo Sockets (with Sensor Clip)

	Port size	Wrench	Part number
	10-32	5/16" Hex	PWSB1557
	1/8"	3/16" Allen	PWSB1887
	1/4"	5/16" Allen	PWSB1997
	3/8"	3/8" Allen	PWSB1337
	1/2"	1/2" Allen	PWSB1227

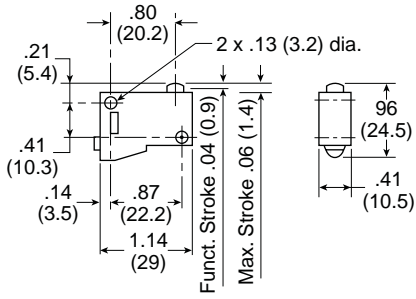
Plug-in Sensors

	Output	Connection	Part number
	Pneumatic	5/32" push-in	PWSP111
	Electrical	3-wire cable (6 ft)	PWSM1012

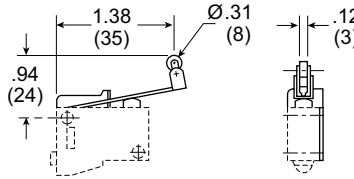
Control Panel Products
 Sensing / Limit Switches
D
 Accessories Valve Products

Miniature Limit Switches

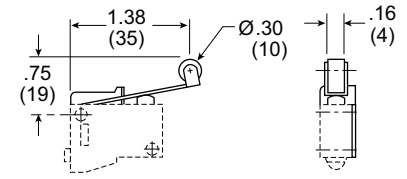
PXCM111



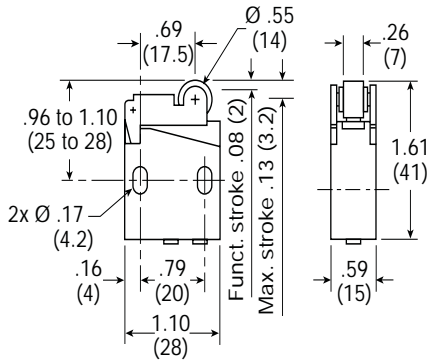
PXCZ12



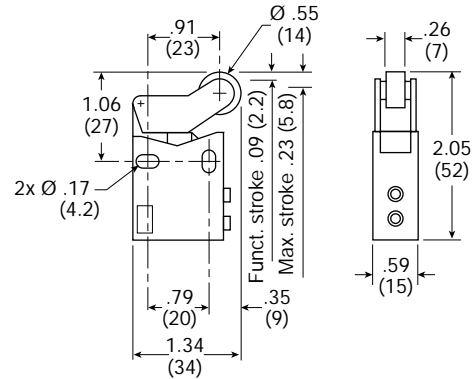
PXCZ11



PXCM121, PXCM131

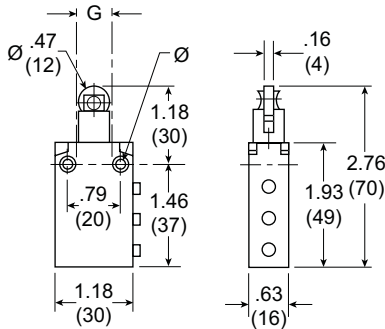


PXCM521

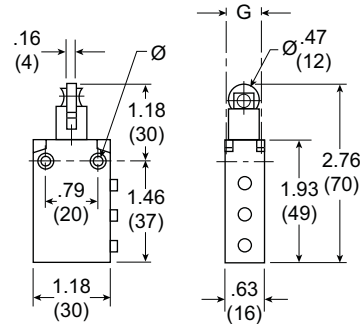


Compact Limit Switches

PXCM601A102

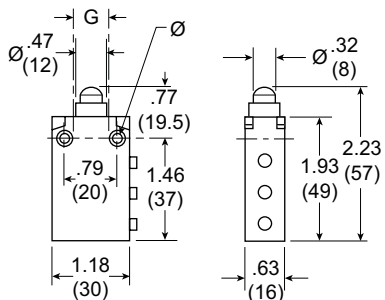


PXCM601A103



Ø:
 2 mounting holes Ø .17" (4.3)
 2 countersunk Ø .32" (8.2)
 depth 4 mm

PXCM601A110



G:
 top mounting holes, 2 x M5
 .71" (18 mm) centers

Control Panel
 Products

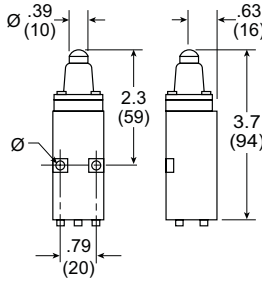
Sensing /
 Limit Switches

D

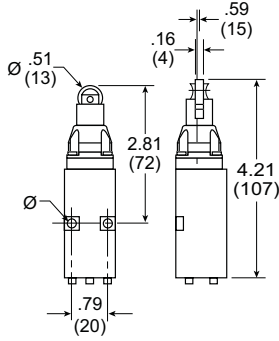
Accessories
 Valve Products

K Series

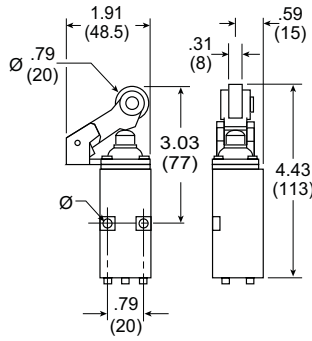
PXCK21101, PXCK22101



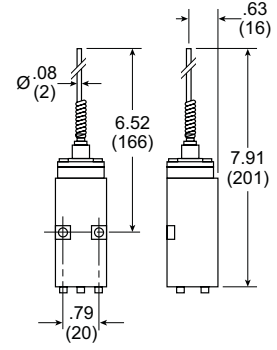
PXCK21102, PXCK22102



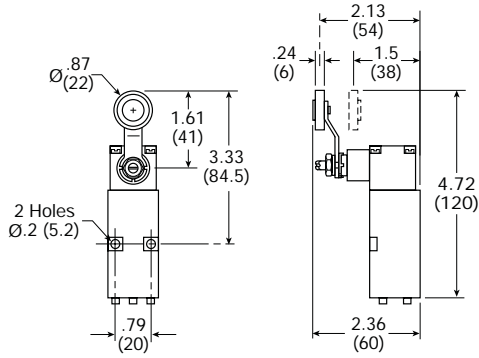
PXCK21121, PXCK22121



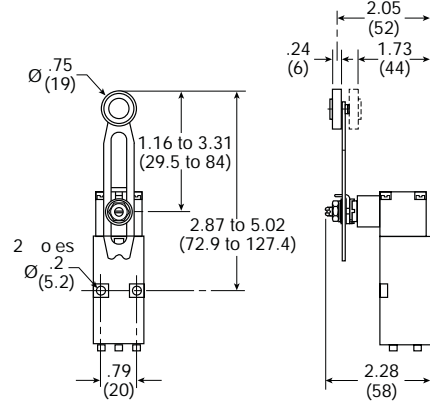
PXCK21106, PXCK22106



PXCK2110031, PXCK2210031

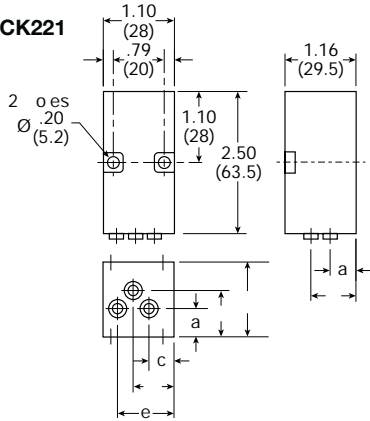


PXCK2110041, PXCK2210041



Pneumatic Switch Bodies

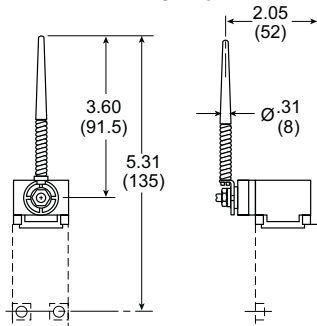
PXCK211, PXCK221



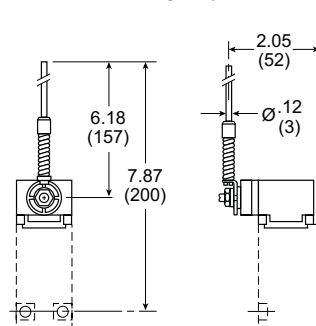
	inch	mm
a	.39	10
b	.77	19.5
c	.35	9
d	.61	15.5
e	.87	22
r	1.66	29.5

Rotary Heads with Operating Levers

ZCKY81



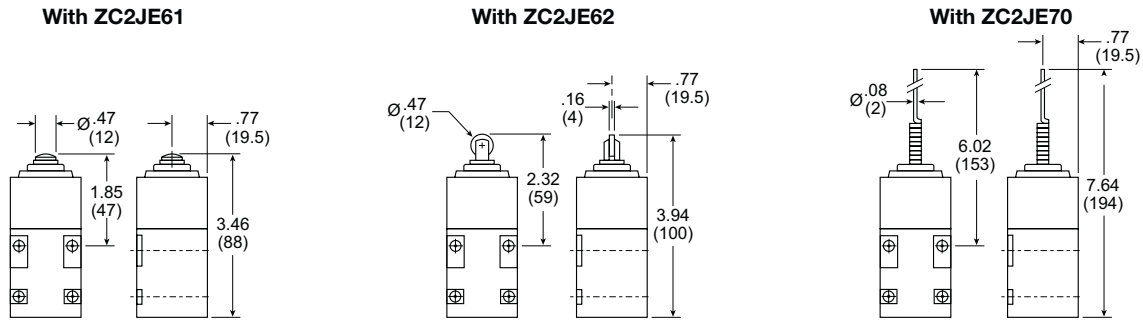
ZCKY91



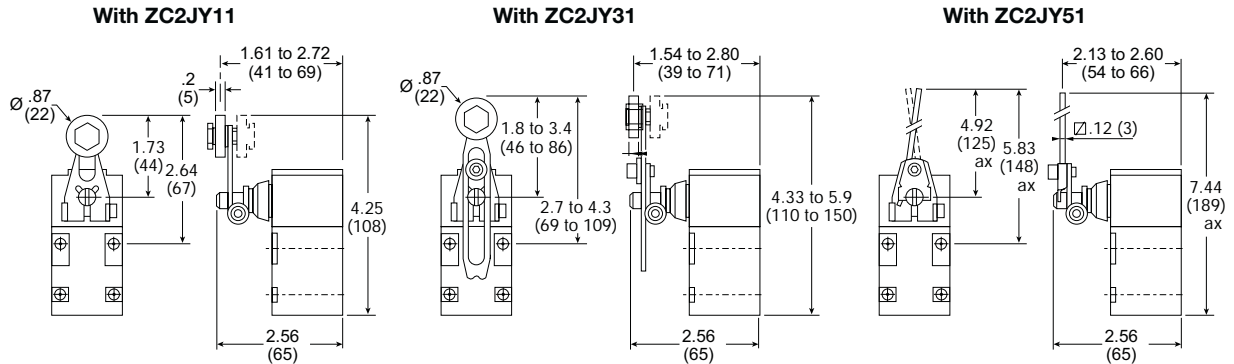
Control Panel Products
 Sensing / Limit Switches
D
 Accessories Valve Products

J Series

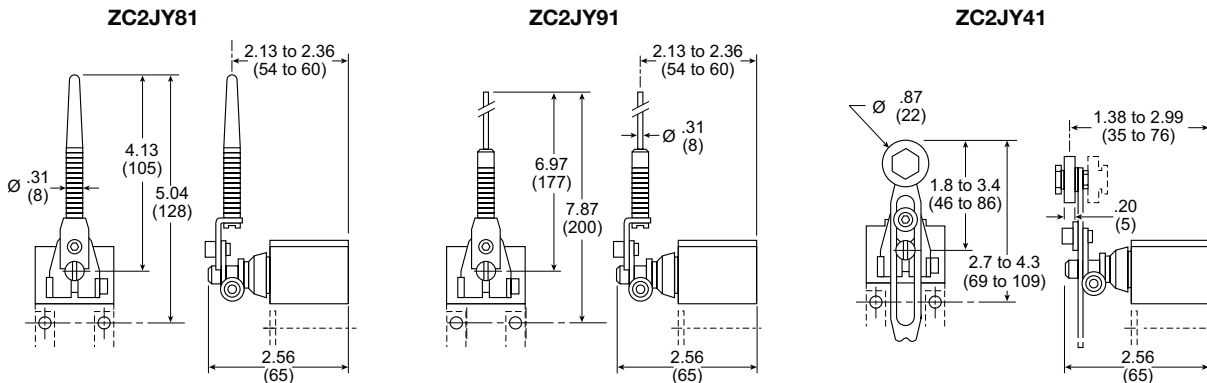
Switch Body With Plunger Heads



Switch Body With Rotary Heads and Operating Levers

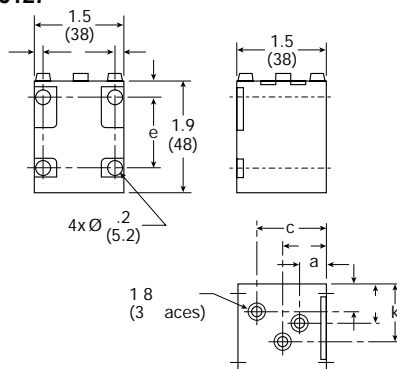


Rotary Heads With Operating Levers



Pneumatic Switch Bodies

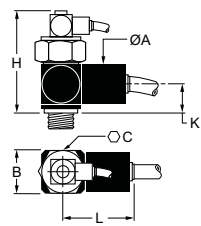
PXCJ117, PXCJ127



	inch	mm
a	.47	12
b	.75	19
c	1.16	29.5
d	1.14 to 1.18	29 to 30
e	1.18	30
f	.28	7
g	.43	11
h	.51	13
k	.94	24

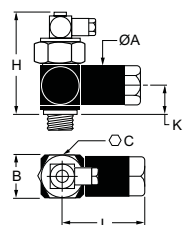
Blocking Valves

PWBA14/34



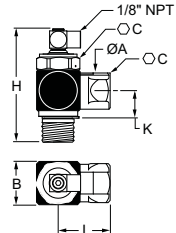
ØA	B	C	K	H	L	Flow*	Part number
0.86" (22)	0.82" (21)	0.94" (24)	0.53" (13.5)	2.32" (59)	1.54" (39)	14.8	PWBA1468/3468
0.86" (22)	0.82" (21)	0.94" (24)	0.53" (13.5)	2.09" (53)	1.54" (39)	19.4	PWBA1469/3469 PWBA1489
1.06" (27)	1.10" (28)	0.94" (24)	0.55" (14)	2.09" (53)	1.98" (50)	45.9	PWBA1483 PWBA1493/3493
1.22" (31)	1.30" (33)	1.30" (33)	0.94" (24)	2.59" (66)	2.59" (66)	81.2	PWBA1412/3412

PWBA18/38



0.86" (22)	0.82" (21)	0.94" (24)	0.53" (13.5)	2.32" (59)	1.71" (43.5)	14.8	PWBA1898/3888
0.86" (22)	0.82" (21)	0.94" (24)	0.53" (13.5)	2.09" (53)	1.71" (43.5)	19.4	PWBA1899/3899
1.06" (27)	1.10" (28)	0.94" (24)	0.55" (14)	2.09" (53)	2.18" (55)	45.9	PWBA1833/3833
1.22" (31)	1.30" (33)	1.30" (33)	0.94" (24)	2.59" (66)	2.47" (63)	81.2	PWBA1822/3822

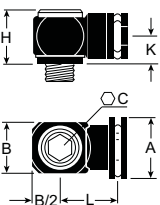
PWBA38



0.75" (19)	0.87" (22)	0.83" (21)	0.67" (17)	2.20" (56)	1.73" (44)	14.8	PWBA38887
0.75" (19)	0.87" (22)	0.83" (21)	0.67" (17)	2.20" (56)	1.73" (44)	19.4	PWBA38997
1.06" (27)	1.18" (30)	1.06" (27)	0.91" (23)	2.64" (67)	1.42" (36)	45.9	PWBA38337
1.06" (27)	1.18" (30)	1.06" (27)	0.91" (23)	2.64" (67)	1.42" (36)	81.2	PWBA38227

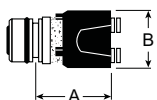
Threshold Sensors

Banjo Socket



A	B	C	H	K	L	Part number
.98 (25)	.43 (11)	5/16" Hex	.79 (20)	.40 (10)	.67 (17)	PWSB1557
.98 (25)	.63 (16)	3/16" Allen	.71 (18)	.40 (10)	.79 (20)	PWSB1887
.98 (25)	.83 (21)	5/16" Allen	.71 (18)	.40 (10)	.87 (22)	PWSB1997
.98 (25)	1.10 (28)	3/8" Allen	.79 (20)	.47 (12)	.98 (25)	PWSB1337
.98 (25)	1.30 (33)	1/2" Allen	.93 (24)	.55 (14)	1.02 (26)	PWSB1227

PWSP111



A	B	Part number
.87 (22)	.79 (20)	PWSP111
1.26 (32)	.79 (20)	PWSM1012

PWSM1012



Control Panel Products

Sensing / Limit Switches

D

Accessories Valve Products