



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	Single universal 3-way	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+NNP	PXBB3211BD2
	Black		NNP+NP	PXBB3251BD2
	Black	3 maintained positions with std. handle	NNP+NNP	PXBB3211BD3
	Black		NNP+NP	PXBB3251BD3
	Black	3 positions, spring return to center with long handle	NNP+NNP	PXBB3211BJ5
	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.

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 Most popular. For technical information see CD



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
	Green			ZB5AA3	ZB4BA3
	Red			ZB5AA4	ZB4BA4
	Yellow			—	ZB4BA5
	Blue			—	ZB4BA6
	Black			ZB5AL2	ZB4BL2
	Green	Spring return	Extended	ZB5AL3	ZB4BL3
	Red			ZB5AL4	ZB4BL4
	Yellow			—	ZB4BL5
	Black			—	ZB4BP2
	Green	Spring return	Booted	—	ZB4BP3
	Red			—	ZB4BP4
	Black			—	ZB4BH02
	Green	Detent 2 position	Flush	—	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		ZB4BT2
	Green			ZB4BT3
	Red			ZB4BT4
	Black	Spring return	Ø 60mm head	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		ZB4BD3	
Spring return to center from left and right	3 positions	ZB4BD5	
Maintained right spring return from left to center		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, 10Amp

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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

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