

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			PXBB4131BA2
Green		Single universal 3-way	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			PXBB3111BT4
Red		NP	PXBB3121BT4
Black	Spring return	Single universal 3-way	PXBB4131BC2
Red			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	PXBB3211BJ5
Black	2 maintained positions with std. Handle	Single universal 3-way	PXBB4131BD2
Black		Dual universal 3-way	PXBB4231BD2
Black		Dual universal 3-way	PXBB4231BD3
Black	3 maintained positions with std. 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. For technical information see CD



For Use With PXBB Valve Bodies and ZBE Electrical Switch Bodies

Push Buttons

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

* ZB4*** model numbers are metal head operators

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

Selector Switches

Standard black handle

Description	Function	Part number*
Maintained		ZB4BD2
Spring return from right to left	2 positions	ZB4BD4
Maintained		ZB4BD3
Spring return to center from left and right	3 positions	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		ZB4BJ2
Spring return from right to left	2 positions	ZB4BJ4
Maintained		ZB4BJ3
Spring return to center from left and right	3 positions	ZB4BJ5

* ZB4*** model numbers are metal head operators

Valve Products Control Panel Products

Mushroom Head Push Buttons

Color	Function	Description	Part number*
Black	Spring return	Ø 40mm head	ZB4BC2
Green			ZB4BC3
Red			ZB4BC4
Black	Latching push-pull	Ø 60mm head	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.

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			ZB4BS14
Red	Latching turn to release	Ø 60mm head	ZB4BS64
Red			ZB4BS24

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

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Accessories
Valve Products

For Use With 2B4*** Metal Operating Heads

3/2 Valve Bodies with Mounting Ring

	
PXBB3111B	PXBB4131B
Connections	Function
5/32" Instant	3/2

* 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

		
PXBB3911	PXBB4932	PXBB4931
Connections	Function	Type of switching*
5/32" instant straight	3/2	NNP
5/32" instant swivel		NP
5/32" instant straight	3/2	Universal
5/32" instant swivel	3/2	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 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



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
	PXPC111

Mounting Accessories

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

**Valve Products
Control Panel Products****Two-Hand Control Module**

Connections	Part number
	5/32" Instant

Two-Hand Control Module Guard

Base component	Part number
	PXPC111

Sensing / Limit
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Accessories
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