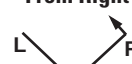


Illuminated Selector Switches (Assembled) con't

Part Numbers: Illuminated 2-Position Selector Switches

Style		Operator Position			Maintained 	Spring Return From Right 	Spring Return From Left 
Contact	Mounting	L	R				
1NO 1NC	1	O	X	transformer full voltage	ASLD2 ④11⑤N-② ASLD29911⑤N-②-③	ASLD21 ④11⑤N-② ASLD219911⑤N-②-③	ASLD22 ④11⑤N-② ASLD229911⑤N-②-③
	2	X	O				
2NO 2NC	1	O	X	transformer full voltage	ASLD2 ④20⑤N-② ASLD29920⑤N-②-③	ASLD21 ④20⑤N-② ASLD219920⑤N-②-③	ASLD22 ④20⑤N-② ASLD229920⑤N-②-③
	2	O	X				
2NC	1	X	O	transformer full voltage	ASLD2 ④02⑤N-104-② ASLD29902⑤N-104-②-③	ASLD21 ④02⑤N-104-② ASLD219902⑤N-104-②-③	ASLD22 ④02⑤N-104-② ASLD229902⑤N-104-②-③
	2	X	O				
2NO 2NC	1	O	X	transformer full voltage	ASLD2 ④22⑤N-② ASLD29922⑤N-②-③	ASLD21 ④22⑤N-② ASLD219922⑤N-②-③	ASLD22 ④22⑤N-② ASLD229922⑤N-②-③
	2	X	O				
	3	O	X				
	4	X	O				
2NO 2NC	1	O	X	transformer full voltage	ASLD2 ④22⑤N-11-② ASLD29922⑤N-11-②-③	ASLD21 ④22⑤N-11-② ASLD219922⑤N-11-②-③	ASLD22 ④22⑤N-11-② ASLD229922⑤N-11-②-③
	2	O	X				
	3	X	O				
	4	X	O				

② Lens/LED Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y

③ Full Voltage Codes

Voltage	Code
6V AC/DC	6V
12V AC/DC	12V
24V AC/DC	24V
120V AC	120V
240V AC (LED only)	240V

④ Transformer Voltage Codes

Voltage	Code
120VAC	126
240VAC	246
480VAC	486

⑤ Lamp Type Code

Lamp	Code
Incandescent	Blank
LED	D



6V secondary voltage
(uses 6V lamps).

A4

Switches & Pilot Devices

Part Numbers: Illuminated 3-Position Selector Switches

Style									
Contact	Mounting	Operator Position				Maintained	Spring Return From Right	Spring Return From Left	Spring Return Two-Way
		L	C	R					
2NO	1	X	O	O	transformer full voltage	ASLD3 ④ 20⑤N-② ASLD39920⑤N-②-③	ASLD31 ④ 20⑤N-② ASLD319920⑤N-②-③	ASLD32 ④ 20D⑤N-② ASLD329920D⑤N-②-③	ASLD33 ④ 20D⑤N-② ASLD339920D⑤N-②-③
	2	O	O	X					
2NC	1	O	X	X	transformer full voltage	ASLD3 ④ 02⑤N-② ASLD39902⑤N-②-③	ASLD31 ④ 02⑤N-② ASLD319902⑤N-②-③	ASLD32 ④ 02D⑤N-② ASLD329902D⑤N-②-③	ASLD33 ④ 02D⑤N-② ASLD339902D⑤N-②-③
	2	X	X	O					
2NO 2NC	1	X	O	O	transformer full voltage	ASLD3 ④ 22⑤N-② ASLD39922⑤N-②-③	ASLD31 ④ 22⑤N-② ASLD319922⑤N-②-③	ASLD32 ④ 22D⑤N-② ASLD329922D⑤N-②-③	ASLD33 ④ 22D⑤N-② ASLD339922D⑤N-②-③
	2	O	O	X					
	3	O	X	X					
	4	X	X	O					
2NO 2NC	1	X	O	X	transformer full voltage	ASLD3 ④ 22⑤N-309-② ASLD39922⑤N-309-②-③	ASLD31 ④ 22⑤N-309-② ASLD319922⑤N-309-②-③	ASLD32 ④ 22D⑤N-309-② ASLD329922D⑤N-309-②-③	ASLD33 ④ 22D⑤N-309-② ASLD339922D⑤N-309-②-③
	2	X	X	O					
	3	O	X	O					
	4	O	O	X					
2NO 2NC	1	O	X	O	transformer full voltage	ASLD3 ④ 22⑤N-310-② ASLD39922⑤N-310-②-③	ASLD31 ④ 22⑤N-310-② ASLD319922⑤N-310-②-③	ASLD32 ④ 22D⑤N-310-② ASLD329922D⑤N-310-②-③	ASLD33 ④ 22D⑤N-310-② ASLD339922D⑤N-310-②-③
	2	O	O	X					
	3	O	X	O					
	4	O	O	X					
4NO	1	X	O	O	transformer full voltage	ASLD3 ④ 40⑤N-② ASLD39940⑤N-②-③	ASLD31 ④ 40⑤N-② ASLD319940⑤N-②-③	ASLD32 ④ 40⑤N-② ASLD329940⑤N-②-③	ASLD33 ④ 40⑤N-② ASLD339940⑤N-②-③
	2	O	O	X					
	3	X	O	O					
	4	O	O	X					
4NC	1	O	X	X	transformer full voltage	ASLD3 ④ 04⑤N-② ASLD39904⑤N-②-③	ASLD31 ④ 04⑤N-② ASLD319904⑤N-②-③	ASLD32 ④ 04⑤N-② ASLD329904⑤N-②-③	ASLD33 ④ 04⑤N-② ASLD339904⑤N-②-③
	2	X	X	O					
	3	O	X	X					
	4	X	X	O					



1. In place of ②, specify the Lens/LED Color Code, in place of ③, specify the Full Voltage (lamp voltage) Code, in place of ④, specify the Transformer Voltage Code and in place of ⑤ specify the Lamp Type Code.

2. The truth table indicates the operating position of contact block when the operator is switched to that position.

X = On (Closed Contacts) O = Off (Open Contacts)

—X—X— = Overlapping Contacts: Remain on (closed contacts) when switch is moved between these positions

Illuminated Selector Switches (Sub-Assembled)

Transformer* + Contact Block + Operator + Lamp + Lense = Complete Part



A4

Switches & Pilot Devices



*Not required for full voltage units (use APD-F full voltage clips instead).

Part Numbers: Operators

Appearance/ Positions		Description	Part Number
	2	Maintained	ASLD200
	3	Maintained, Cam 1	ASLD300-1
		Maintained, Cam 2	ASLD300-2
	2	Spring-Ret. from Right	ASLD2100
		Spring-Ret. from Left	ASLD2200
		Spring-Ret. from Right, Cam 1	ASLD3100-1
		Spring-Ret. from Right, Cam 2	ASLD3100-2
	3	Spring-Ret. from Left, Cam 1	ASLD3200-1
		Spring-Ret. from Left, Cam 2	ASLD3200-2
		Spring-Ret. from L/R, Cam 1	ASLD3300-1
		Spring-Ret. from L/R, Cam 2	ASLD3300-2

Part Numbers: Lenses

Style	Part Number
Knob	ASLNHU - ①

Part Numbers: Lamps

Type	Voltage	Part Number
	6V AC/DC	LSTD-6②
	12V AC/DC	LSTD-1②
	24V AC/DC	LSTD-2②
	120V AC	LSTD-H2②
	240V AC	LSTD-M4②
	6.3V AC/DC	IS-6
	12V AC/DC	IS-12
	24V AC/DC	IS-24
	120VAC	L-120L



1. In place of ②, specify the LED color code.
2. The LED contains a current-limiting resistor and a protection diode.

Contact Blocks

Description	Part Number	
	1NO	1NC
	BST-010	BST-001
	BST-010S (early make)	BST-001S (late break)
Dummy Blocks	BST-D	



1. Dummy blocks (no contacts) are used with an odd number of contact blocks.
2. Combining BST-010S and BST-001S result in overlapping contacts (make before break).

Part Numbers: Full Voltage Clips

Primary Voltage (50/60Hz)	Part Number
Full Voltage Clips (2 req'd for each unit)	APD-F

Part Numbers: Transformers

Description	Primary Voltage (50/60Hz)	Part Number
	120V AC	TWD-0126
	240V AC	TWD-0246
	480V AC	TWD-0486



6V secondary voltage

② Lens/LED Color Codes

Color	Code
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y

Contact Arrangement Charts

How to Read Contact Arrangement Charts

To determine contact block mounting position, first make sure the selector switch is oriented as shown on the right

Contact Arrangement

Type and quantity of switch contacts

Circuit Number

* N/D = No designation

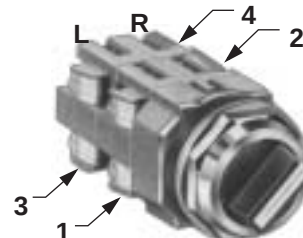
Contact Block Mounting

Position or mounting contact blocks on operator

Operator Position

Truth table indicates the operating position of contact block when operator is switched to that position.

X = On (Closed Contacts)
O = Off (Open Contacts)
X-X = Overlapping Contacts: Remain on (closed) when switch is moved between these two positions



Contact Block Part Number

Part number to use when ordering sub-assembly contact blocks, as required for use with corresponding mounting position

Contact Arrangement Chart: 2-position Selector Switches

Style		Mounting Position	Operator Position		Contact Block Part Number	Description	Operator Part Number		
Contact	Circuit Number		L	R			Maintained	Spring Ret. from Rt.	Spring Ret. from Lt.
			L	R			L	R	L
1NO	N/D	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	O	BST-D	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
1NC	116	1	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	O	BST-D	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
1NO 1NC	N/D	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	X	O	BST-001	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
	103	1	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
1NO-EM 1NC-LB	600	1	O	X	BST-010S	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	X	O	BST-001S	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
	601	1	X	O	BST-001S	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010S	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
2NO	N/D	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
2NC	104	1	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	X	O	BST-001	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
2NO 2NC	N/D	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	X	O	BST-001	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
		3	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		4	X	O	BST-001	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
	110	1	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
		3	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		4	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
	111	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
		3	X	O	BST-001	Knob/Lever Key	ASD200	ASD2100	ASD2200
		4	X	O	BST-001	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
4NO	N/D	1	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		2	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00
		3	O	X	BST-010	Knob/Lever Key	ASD200	ASD2100	ASD2200
		4	O	X	BST-010	Illuminated Knob	ASD2K00	ASD21K00	ASD22K00

Contact Arrangement Chart: 3-Position Selector Switches

Style		Mounting Position	Operator Position			Contact Block Part Number	Description	Operator Part Number			
Contact	Circuit Number							Maintained	Spring Ret. from Rt.	Spring Ret. from Lt.	Two-Way
			L	C	R						
A4 1NO 1NC	202	1	X	0	0	BST-010	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	X	X	0	BST-001					
	203	1	0	X	X	BST-001	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	0	0	X	BST-010					
	302	1	X	0	X	BST-010	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	X	X	0	BST-001					
	303	1	0	X	0	BST-001	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	0	0	X	BST-010					
	N/D	1	X	0	0	BST-010	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	0	0	X	BST-010					
	301	1	X	0	X	BST-010	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	0	0	X	BST-010					
2NC	304	1	0	X	0	BST-001	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	X	X	0	BST-001					
	N/D	1	0	X	X	BST-001	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	X	X	0	BST-001					
	N/D	1	X	0	0	BST-010	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	0	0	X	BST-010					
2NO 2NC	210	1	0	X	X	BST-001	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	0	0	X	BST-010					
		3	0	X	X	BST-001					
		4	0	0	X	BST-010					
	308	1	X	0	X	BST-010	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	X	X	0	BST-001					
		3	X	0	X	BST-010					
		4	X	X	0	BST-001					
	309	1	X	0	X	BST-010	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	X	X	0	BST-001					
		3	0	X	0	BST-001					
		4	0	0	X	BST-010					
	310	1	0	X	0	BST-001	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	0	0	X	BST-010					
		3	0	X	0	BST-001					
		4	0	0	X	BST-010					
4NO	N/D	1	X	0	0	BST-010	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	0	0	X	BST-010					
		3	X	0	0	BST-010					
		4	0	0	X	BST-010					
	305	1	X	0	X	BST-010	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	0	0	X	BST-010					
		3	X	0	X	BST-010					
		4	0	0	X	BST-010					
4NC	N/D	1	0	X	X	BST-001	Knob/Lever Key Illuminated Knob	ASD300-1 ASD3K00-1 ASLD300-1	ASD3100-1 ASD31K00-1 ASLD3100-1	ASD3200-1 ASD32K00-1 ASLD3200-1	ASD3300-1 ASD33K00-1 ASLD3300-1
		2	X	X	0	BST-001					
		3	0	X	X	BST-001					
		4	X	X	0	BST-001					
	314	1	0	X	0	BST-001	Knob/Lever Key Illuminated Knob	ASD300-2 ASD3K00-2 ASLD300-2	ASD3100-2 ASD31K00-2 ASLD3100-2	ASD3200-2 ASD32K00-2 ASLD3200-2	ASD3300-2 ASD33K00-2 ASLD3300-2
		2	X	X	0	BST-001					
		3	0	X	0	BST-001					
		4	X	X	0	BST-001					



- Each operator sub-assembly is available as a "-1" and a "-2" for 3-position selector switches. The internal cam of a "-1" is different from that of a "-2". This results in designated combinations of open and closed contacts in the various operator positions.
- N/D = No circuit number designation required in assembled part number.
- X = On (closed contacts) O = Off (open contacts). X—X Overlapping contacts remain on (closed) when switch is moved between these two positions.