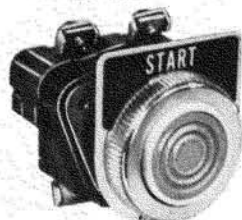


Homewood Products Corporation  
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Prices effective June 15, 2008

# Oil-Tite Pushbuttons

### Flush Operators



Full Shroud Page 2



Mushroom Head Page 2



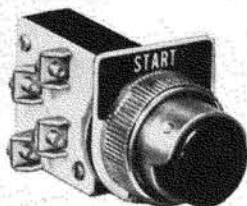
Selector Switch Page 4

Westinghouse Oil-Tite pushbuttons, selector switches and indicating lights are designed to prevent the passage of oil, coolant, cutting oil or water. Contacts cannot be fouled by these substances when units are mounted in special Oil-Tite enclosures, machine cavities or other suitable enclosures.

The Oil-Tite line gives maximum flexibility through the use of two basic parts: operator and contact block. In addition, it offers the advantages of minimum projection in front of panel, shallow contact block behind the panel, a contact block designed for stacking, and interchangeable operator color caps.

For further conveniences, stations can be assembled by the customer using basic components readily available from stock. Oil-Tite units are available in standard assemblies or can be custom built to meet almost any requirements.

### Extended Operators



Half Shroud Page 3



Mushroom Head Page 3



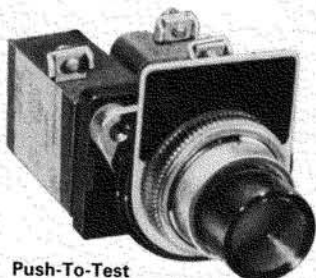
Selector Switch Page 5

In this Price List	Page
Pushbutton Operators	2, 3
Selector Switches	4-6
Indicating Lights	7, 8
Legend Plates	8
Accessories	8-11

### Indicating Lights



Transformer Type Pages 7 & 8



Push-To-Test Light Page 7

### Ordering Information

#### For Operator Only

1. Order by catalog number.
2. Order contact block by catalog number.
3. Order Legend Plate, if required, by style number or marking from page 8.

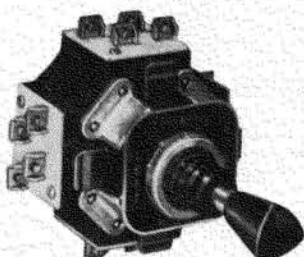
#### For Customer Assembled Stations

1. Specify catalog number of enclosure and components required.
2. Specify style number of legend plates shown on page 8.

### Special Applications



Push-Pull Control Units Page 9







4-Way Joystick Operator Page 9



Single Hole Drilling Plan




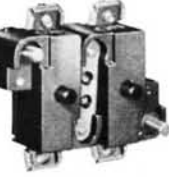
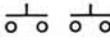
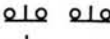
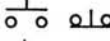
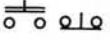

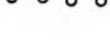



**Flush Pushbutton Operators**

Operator	Color	Operator Only Without Contact Block or Legend Plate (Cover Mounting Only)		
			Catalog Number	List Price
<b>Full Shroud</b> 	All Colors (Black, Red, Green, Yellow, Blue, Gray, Brown)	OT2B4		\$90.00
<b>No Shroud</b> 	Black Red Green Yellow	OT2C1 OT2C2 OT2C3 OT2C4		\$45.00 45.00 45.00 45.00
<b>Mushroom Head</b> 	Black Red Green Yellow	OT2D1 OT2D2 OT2D3 OT2D4		\$90.00 90.00 90.00 90.00
<b>Cylinder Lock</b>  Key Removable in Locked Position Only	Lock Positions Out In In or Out	OT2E8 OT2F8 OT2G8		\$251.00 251.00 251.00
Key Removable in All Positions	Out In In or Out	OT2E9 OT2F9 OT2G9		\$251.00 251.00 251.00

**Pushbutton Ratings, Amperes**  
(For Flush and Extended Operators)

Voltages	Normal Load Break	Inrush and Interr. Capacity	Contin- uous
110-125 Ac	6.0	60	10
220-250 Ac	3.0	30	10
440-480 Ac	1.5	15	10
550-600 Ac	1.2	12	10
110-125 Dc	1.1	1.1 <sup>①</sup>	
230-250 Dc	.55	.55 <sup>①</sup>	
550-600 Dc	.20	.20 <sup>①</sup>	






**Contact Blocks – For Flush Operators<sup>②</sup>**

Description	Contact Symbol	Catalog Number	List Price
<b>Single Circuit</b> 			
1 NO		OT2B	\$24.00
1 NC		OT2D	24.00
<b>Double Circuit</b> 			
2 NO		OT2M	\$48.00
2 NC		OT2N	48.00
1 NO, 1 NC		OT2A	48.00
1 NO, 1 NC Make Before Break		OT2V	48.00
2 NO Sequence One Pole Makes Before Other		OT2X	48.00
1 NO, 1 NC Series Wired		OT2AS	72.00
1 NO, 1 NC Parallel Wired		OT2AP	72.00
2 NO, 2 NC Series Wired		OT2MS	96.00
2 NO, 2 NC Parallel Wired		OT2MP	96.00



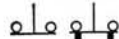
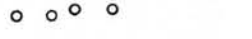
① For applications requiring higher DC ratings, refer to Homewood.

② Torque for mounting screws 7 to 10 inch pounds – 10 inch pounds max.

**Extended Pushbutton Operator**

Operator	Description	Color of Button	Operator Only Without Contact Block or Legend Plate (Cover or Box Mounting)	
			Catalog Number	List Price
<b>Half Shroud</b> 		Black Red Green Yellow	OT1A1	\$45.00
			OT1A2	45.00
			OT1A3	45.00
			OT1A4	45.00
<b>Full Shroud</b> 		Black Red Green Yellow	OT1B1	\$45.00
			OT1B2	45.00
			OT1B3	45.00
			OT1B4	45.00
<b>No Shroud</b> 		Black Red Green Yellow	OT1C1	\$45.00
			OT1C2	45.00
			OT1C3	45.00
			OT1C4	45.00
<b>Mushroom Head</b> 		Black Red	OT1D1	\$90.00
			OT1D2	90.00
<b>Cylinder Lock</b> 	Key Removable Locked Position Only	<b>Lock Action</b> Lock-out Lock-in Lock-in-out Lock-in-out-mid	OT1E8	\$251.00 (Minimum Quantity - 10)
	Key Removable All Positions		Lock-out Lock-in Lock-in-out Lock-in-out-mid	OT1E9
			OT1F8	251.00
			OT1G8	251.00
			OT1H8	251.00
			OT1F9	251.00
			OT1G9	251.00
			OT1H9	251.00

**Contact Blocks – For Extended Operators**

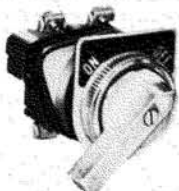
Description	Contact Symbol	Catalog Box Mtg.	Number Cover Mtg.	List Price	Description	Contact Symbol	Catalog Box Mtg.	Number Cover Mtg.	List Price		
<b>Single Block</b> 	1 NO		OT1LA	OT1AA	\$24.00	<b>Double Block</b> 	2 NO		OT1WA	OT1CA	\$48.00
	1 NC		OT1LB	OT1AB	24.00		2 NC		OT1WB	OT1CB	48.00
	1 NO, 1NC		OT1L	OT1A	48.00		2 NO, 2 NC		OT1W	OT1C	96.00
	1 NO, 1NC Make Before Break		OT1V	OT1B	48.00		2 NO, 2 NC Make Before Break		OT1X	OT1D	96.00
					2 NO, 2 NC Sequence One Pole Make Before Other		....	OT1E	96.00		
					<b>Tandem Double Block</b> 4 NO, 4 NC Tandem Block (Not for Pull Box)		....	OT1F	192.00		



**Flush Selector Switches**



**Standard Handle** ② ④



**Lever Handle** ② ④



**Cylinder Lock** ④

Type Operation

**Operators Only Legend Plate Not Included** ③

	2 Position		3 Position			List Price
	Cam 1 Cat. No.	List Price	Cam 2 Catalog Number	Cam 4 Catalog Number	Cam 6 Catalog Number	
<b>Standard Handle</b>						
Maintained	OT2S1	\$65.00	OT2S2	OT2S4	OT2S6	\$65.00
Spring Return Right to Left	OT2I1	90.00	.....	.....	.....	.....
Spring Return Lft. & Rt. to Ctr.	.....	.....	OT2V2	OT2V4	OT2V6	90.00
Spring Return Right to Center	.....	.....	OT2Z2	OT2Z4	OT2Z6	90.00
Spring Return Left to Center	.....	.....	OT2W2	OT2W4	OT2W6	90.00
<b>Lever Handle</b>						
Maintained	OT2S1W	65.00	OT2S2W	OT2S4W	OT2S6W	65.00
Spring Return Right to Left	OT2I1W	90.00	.....	.....	.....	.....
Spring Return Lft. & Rt. to Ctr.	.....	.....	OT2V2W	OT2V4W	OT2V6W	90.00
Spring Return Right to Center	.....	.....	OT2Z2W	OT2Z4W	OT2Z6W	90.00
Spring Return Left to Center	.....	.....	OT2W2W	OT2W4W	OT2W6W	90.00
<b>Cylinder Lock</b>						
Lock in All Positions	OT2K1	251.00	OT2K2	OT2K4	OT2K6	251.00
Lock in Left Positions	OT2Y1	251.00	.....	.....	.....	.....
Lock in Center Positions	.....	.....	OT2Y2	OT2Y4	OT2Y6	251.00
Lock in Ctr. & Rt. Positions	.....	.....	OT2O2	OT2O4	OT2O6	251.00

**Selector Switch Selection Procedure**

Westinghouse OT2 selector switch cam and contact selection is based on the fact that there are only two possible 2-position contact sequences, and six possible 3-position sequences.

For two position, only cam 1 is available. Contact sequence is accomplished by selection of NO (OT2B) or NC (OT2D) contact blocks in desired quantities.

Three cams (2, 4, 6) produce all six 3-position sequences. Selection is simplified by using the systematic selection process below.

**Procedure**

**Example**

- Write down contact sequence and sequence numbers from Table I. (X = Closed, O = Open)
- Determine two most common numbers (1, 2, or 3) ignoring letters B and D).
- Use cam according to Table II and select operator Cat. No.
- From Table I, determine Cat. No. and circuit position for each contact sequence number in Step 1.
- Order Bill of Material as determined, or fully assembled selector switch.

- XOO = 1B  
 OXX = 1D  
 XXO = 3D  
 OXO = 2D
- 1 and 2  
 Cam 4, Cat. No. OT2S4
- 1B = OT2B Left  
 1D = OT2D Left  
 3D = OT2AP Both  
 2D = OT2D Right
- Standard Operator OT2S4 with following contact blocks: OT2B Left, OT2D Left, OT2AP Both, OT2D Right.

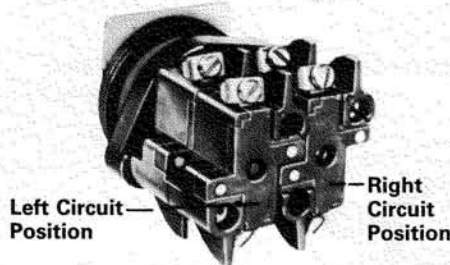
**Table I: Cam and Contact Block Selection, Two and Three Position**

Contact Sequence (Operator Position Viewed From Front)	Seq. No.	Cam and Contact block Combination							
		Cam 1		Cam 2		Cam 4		Cam 6	
		Stand. Oper. ⑥ Cat. No. OT2S1	Circuit Posit. ⑦	Stand. Oper. ⑥ Cat. No. OT2S2	Circuit Posit. ⑦	Stand. Oper. ⑥ Cat. No. OT2S4	Circuit Posit. ⑦	Stand. Oper. ⑥ Cat. No. OT2S6	Circuit Posit. ⑦
<b>Two Position</b>									
X O	..	OT2D	Either	....	....	....	....	....	....
O X	..	OT2B	Either	....	....	....	....	....	....
<b>Three Position</b>									
X O O	1B	....	....	OT2AS	Both ⑥	OT2B	Left	OT2B	Right
O X X	1D	....	....	OT2AP	Both ⑥	OT2D	Left	OT2D	Right
X O X	2B	....	....	OT2B	Right	OT2B	Right	OT2MP	Both ⑥
O X O	2D	....	....	OT2D	Right	OT2D	Right	OT2NS	Both ⑥
O O X	3B	....	....	OT2B	Left	OT2AS	Both ⑥	OT2B	Left
X X O	3D	....	....	OT2D	Left	OT2AP	Both ⑥	OT2D	Left

**Table II: Sequences to Cam Number - 3 Position**




Sequence Number	Cam Number
1	6 or 4
2	2 or 4
3	2 or 6
1 and 2	4
1 and 3	6
2 and 3	2

**Circuit Position For Mounting Contact Blocks Determined By Viewing From Rear**



- ② Standard and lever handle operators supplied with red color insert.
- ③ For price of contact block and legend plates, see pages 7 and 8.
- ④ To position contact block 90° from normal, add suffix "G" to catalog number.
- ⑤ Two contacts wired in series (NC left and NO right). Can be field assembled from one OT2A or one OT2B and one OT2D contact blocks.
- ⑥ Two contacts wired in parallel (NC right and NO left). Can be field assembled from one OT2A or one OT2B and one OT2D contact blocks.
- ⑦ As viewed from rear of assembly.
- ⑧ For other than standard maintained operator, use operator catalog number from price table.
- ⑨ Two NO contacts wired in parallel.
- ⑩ Two NC contacts wired in series.


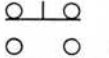
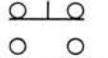

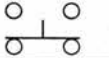
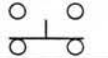
### Extended Operator Selector Switches

Operator	Handle	Operation	Cam No.	Operator Only Without Contact Block or Legend Plate (Cover or Box Mounting)			
				Catalog Number	List Price	Contact Block	List Price
	<b>2 Position</b>	Maintained	1	OT1S1	\$65.00	OT1C	\$96.00
		Spring Return Right to Left	1	OT1I1	90.00	OT1C	96.00
		Cylinder Lock	1	OT1K1	251.00	OT1C	96.00
		Cylinder Lock	1	OT1Y1	251.00	OT1C	96.00
	<b>3 Position</b>	Maintained	3	OT1S3	65.00	OT1C	96.00
		Maintained	4	OT1S4	65.00	OT1C	96.00
		Maintained	5	OT1S5	65.00	OT1C	96.00
		Maintained	6	OT1S6	65.00	OT1C	96.00
		Maintained	7	OT1S7	65.00	OT1C	96.00
		Maintained	9	OT1S9	65.00	OT1C	96.00
	<b>Cylinder Lock</b>	Spring Return Right and Left to Center	1	OT1V1	90.00	OT1C	96.00
		Spring Return Right to Center	1	OT1Z1	90.00	OT1C	96.00
		Spring Return Left to Center	1	OT1W1	90.00	OT1C	96.00
		Lock All Positions	3	OT1K3	251.00	OT1C	96.00
		Cylinder Lock	3	OT1Y3	251.00	OT1C	96.00
		Cylinder Lock	3	OT1O3	251.00	OT1C	96.00


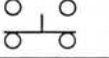
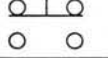

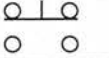
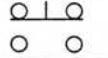

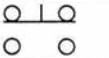
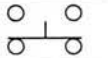

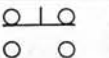
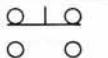

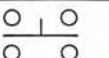
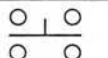

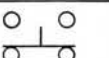
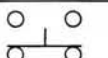
### Extended Operator Selector Switches Cam and Contact Selection

Operator Position    Contact Action Using DPDT Contact Block Catalog Number OT1C    Operator Only<sup>2</sup> Catalog Number

#### Standard Two Position Switch

			OT1S1 Cam 1
			


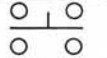
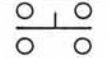

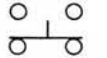
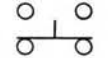

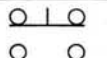
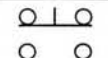

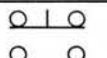
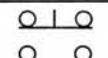

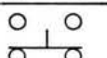


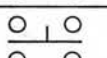


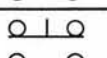


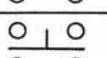
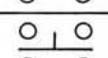

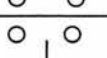
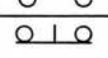
#### Standard Three Position Switch

			OT1S9 Cam 9
			
			
			OT1S3 Cam 3
			
			

### Extended Operator Selector Switches Cam and Contact Selection

Operator Position    Contact Action Using DPDT Contact Block Catalog Number OT1C    Operator Only<sup>2</sup> Catalog Number

#### Standard Three Position Switch

			OT1S4 Cam 4
			
			
			OT1S5 Cam 5
			
			
			OT1S6 Cam 6
			
			

<sup>1</sup> On 3 position, cam #1 gives cam #3 sequence. Also available with cams 6, 9, 10 and 12. Order similar to catalog number listed and specify cam.

<sup>2</sup> Other 3 position cams available. Order similar to catalog number listed and specify cam.

<sup>3</sup> Certain cylinder locks can be supplied with C-H 501 type keys. Refer to Westinghouse for availability.

**Extended Operator Selector Switches  
Cam and Contact Selection**

Operator Position    Contact Action Using DPDT Contact Block Catalog Number OT1C    Operator Only<sup>®</sup> Catalog Number

**Standard Three Position Switch, Continued**

			OT1S7 Cam 7
			OT1S2 Cam 10
			OT1S0 Cam 12

**Select-O-Push Operators**

	Operator Only <sup>®</sup> (Cover or Box Mounting) Legend Plate Not Included		Complete Units <sup>®</sup> (Cover Mounting Only) Operator with DPDT Contact Block; Legend Plate Not Included	
	Catalog Number	List Price	Catalog Number OT1C Catalog Number	List Price
Two Position Half Stroke	OT1M1	\$90.00	OT1M1C	\$150.00
Two Position Half Stroke Spring Return	OT1M1Z	....	OT1M1ZC	150.00
	.....	.....	OT1N1C	180.00
Two Position Full Stroke	.....	.....		
	.....	.....	OT1M8C	150.00
Three Position Half Stroke	.....	.....		
	.....	.....	OT1N8C	180.00
Three Position Full Stroke	.....	.....		

Operator Position    Contact Action Using DPDT Contact Block Catalog Number OT1C    Operator Only<sup>®</sup> Catalog Number

**Standard Four Position Switch**


			OT1SA Cam 11
			OT1SB Cam 13


**Cam and Contact Selection**


Contact Action Using DPDT Contact Block, Catalog Number OT1C


Operator Position	Released		Depressed	
	L	R	L	R
<b>Two Position Half Stroke</b>				
<b>Two Position Full Stroke</b>				
<b>Three Position Half Stroke</b>				
<b>Three Position Full Stroke</b>				


**Indicating Light Units<sup>④</sup>**


Voltage and Frequency	Unit Without Lens Legend Plate Not Included		Catalog Number	List <sup>②</sup> Price
<b>Standard Transformer Type Light Units</b>				
	120	60	OTTF	\$144.00
	240	60	OTTG	OBSOLETE
	480	60	OTTH	144.00
	575	60	OTTJ	144.00
	120	25/50	OTXF	144.00
	240	25/50	OTXG	144.00
	480	25/50	OTXH	144.00

<b>Standard Full Voltage Type Light Units</b>				
	6	Ac, Dc	OTFA	111.00
	12	Ac, Dc	OTFB	111.00
	24	Ac, Dc	OTFC	111.00
	28	Ac, Dc	OTFD	111.00
	32/48	Ac, Dc	OTFE	111.00
	120	Ac, Dc	OTSFF	111.00
	240 <sup>②</sup>	Ac, Dc	OTSFG	111.00

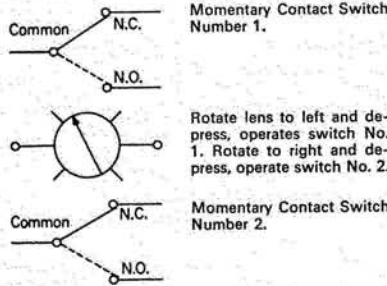
<b>① Push-to-Test Light Units<sup>②</sup></b>				
	6	Ac	OT3PA	173.00
	120	60	OT3PF	173.00
	240	60	OT3PG	OBSOLETE
	480	60	OT3PH	173.00
	600	60	OT3PJ	173.00

<b>① Push-Lite Units<sup>②</sup></b>				
	6	Ac	OT3PA	173.00
	120	60	OT3PF	173.00
	240	60	OT3PG	OBSOLETE
	480	60	OT3PH	173.00
	600	60	OT3PJ	173.00

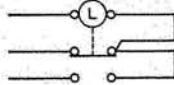
<b>② ③ Select-O-Lite Units (One Light and One Maintained Contact SPDT Switch)</b>				
	120	60	OT2JF	<b>OBSOLETE</b>
	240	60	OT2JG	
	480	60	OT2JH	
	575	60	OT2JI	
	600	60	OT2JJ	

<b>⑤ Select-O-Push-Lite Units, Panel Mounting Only (One Light and Two Momentary Contact SPDT Switches)</b>				
	120	60	OT2EF	<b>OBSOLETE</b>
	240	60	OT2EG	
	480	60	OT2EH	
	575	60	OT2EI	
	600	60	OT2EJ	

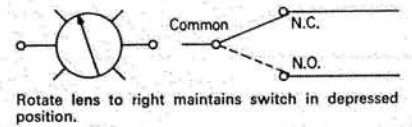
**Contact Arrangements Select-O-Pushlite**



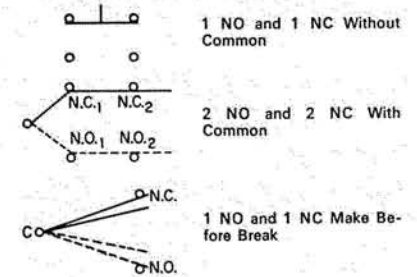
**Push-To-Test and Push-Lite**



**Select-O-Lite Standard Contact Arrangements**



**Other Available Contact Arrangements**



**Lens Only for Light Units**


Color	Catalog Numbers			List Price Each
	For Standard or Transformer Type Lights	For Push-to-test Lights	For Push-Lites	
Clear	OT1	OT3P1	OT3L1	\$15.00
Red	OT2	OT3P2	OT3L2	15.00
Green	OT3	OT3P3	OT3L3	15.00
Amber	OT4	OT3P4	OT3L4	15.00
Blue	OT5	OT3P5	OT3L5	15.00
Opal	OT6	OT3P6	OT3L6	15.00

**Replacement Bulbs**


Type of Light	Lamp Volts	Lamp Number	Style Number	List Price	
Transformer Type, Push-to-Test, Push-Lite	6		13D1365H08	\$5.75	
Select-O-Lite					
Select-O-Push Lite	6		13D1365H08	5.75	
Full Voltage Types		12	764A614H02	5.75	
Miniature Bayonet		24	764A614H03	5.75	
		28	764A614H04	5.75	
		48	764A614H05	5.75	
		120	764A614H07	5.75	
		6.3	13D1365H10	5.75	
		125/130	31D5316H09	5.75	
Candelabra (AC or DC)		12		31D5316P1	5.75
		24		1614 639	5.75
	32		31D5316P3	5.75	
	50		31D5316P4	5.75	
	120		1513 106	5.75	

① Supplied with 1 NO, 1 NC contacts, refer to Westinghouse for other contact combinations.  
 ② Not for pullbox, panel mounting only.  
 ③ For customer mounting in die cast enclosures, see Flush Operator enclosures on page 58 and use all cover mounting units.  
 ④ Available in 6, 12, 28 and 125 volts Ac, Dc. Order similar to catalog number listed and deduct \$5.75 from the list price.  
 ⑤ Not for pull box-panel mounting only.

**Heavy Duty Indicating Lights  
For Cover Mounting**

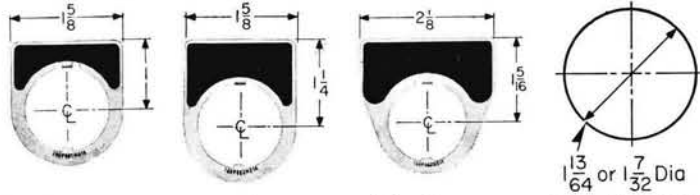
Voltage and Frequency	Unit Without Lens		Units Complete With Lens							List Price ①	
	Catalog Number	List Price ①	Clear	Red	Green	Amber	Blue	Opal			
			Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number			
<b>Standard Transformer Type Light Units</b>			OT1	OT2	OT3	OT4	OT5	OT6	\$15.00		
<b>Lens Only (If Ordered Separately)</b>			OT1	OT2	OT3	OT4	OT5	OT6	\$15.00		
	120 60	OTTG	\$144.00	OTTG1	OTTG2	OTTG3	OTTG4	OTTG5	OTTG6	OBSOLETE	\$159.00
	240 60	OTTH	144.00	OTTH1	OTTH2	OTTH3	OTTH4	OTTH5	OTTH6		159.00
	480 60	OTTJ	144.00	OTTJ1	OTTJ2	OTTJ3	OTTJ4	OTTJ5	OTTJ6		159.00
	120 25/50	OTXF	144.00	OTXF1	OTXF2	OTXF3	OTXF4	OTXF5	OTXF6		159.00
	240 25/50	OTXG	144.00	OTXG1	OTXG2	OTXG3	OTXG4	OTXG5	OTXG6		159.00
	480 25/50	OTXH	144.00	OTXH1	OTXH2	OTXH3	OTXH4	OTXH5	OTXH6		159.00

**Standard Full Voltage Type Light Units**

Voltage and Frequency	Unit Without Lens		Units Complete With Lens							List Price ①	
	Catalog Number	List Price ①	Clear	Red	Green	Amber	Blue	Opal			
			Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number			
<b>Standard Full Voltage Type Light Units</b>			OT1	OT2	OT3	OT4	OT5	OT6	\$15.00		
<b>Lens Only (If Ordered Separately)</b>			OT1	OT2	OT3	OT4	OT5	OT6	\$15.00		
	6 Ac, Dc	OTFA	\$111.00	OTFA1	OTFA2	OTFA3	OTFA4	OTFA5	OTFA6		\$126.00
	12 Ac, Dc	OTFB	111.00	OTFB1	OTFB2	OTFB3	OTFB4	OTFB5	OTFB6		126.00
	24 Ac, Dc	OTFC	111.00	OTFC1	OTFC2	OTFC3	OTFC4	OTFC5	OTFC6		126.00
	28 Ac, Dc	OTFD	111.00	OTFD1	OTFD2	OTFD3	OTFD4	OTFD5	OTFD6		126.00
	48 Ac, Dc	OTFE	111.00	OTFE1	OTFE2	OTFE3	OTFE4	OTFE5	OTFE6		126.00
	120 Ac, Dc	OTFFF	111.00	OTFFF1	OTFFF2	OTFFF3	OTFFF4	OTFFF5	OTFFF6		126.00

**WESTLOK™ Legend Plates**

For use with existing OT1 or OT2 drilling plans, or will lock OT2 units in the new, single hole drilling plan below.



Standard	Oversize	Kingsize	Single Hole Drilling Plan
Marking	Standard Plate Style Number	List Price	Marking

**For Pushbutton Units**

Blank (standard black)	187P001H01	\$17.00
Start	187P002H01	17.00
Stop (black)	187P003H01	17.00
Stop (red)	187P004H01	17.00
Reset	187P005H01	17.00
Forward	187P006H01	17.00
Reverse	187P007H01	17.00
Fast	187P008H01	17.00
Slow	187P009H01	17.00
On	187P010H01	17.00
Off (black)	187P011H01	17.00
Off (red)	187P012H01	17.00
Inch	187P013H01	17.00
Jog	187P014H01	17.00
Raise	187P015H01	17.00
Lower	187P016H01	17.00
Up	187P017H01	17.00
Down	187P018H01	17.00
Open	187P019H01	17.00
Close	187P020H01	17.00
High	187P021H01	17.00
Low	187P022H01	17.00
Run	187P023H01	17.00
Emergency stop	187P024H01	17.00
In	187P025H01	17.00
Out	187P026H01	17.00
Safe	187P027H01	17.00
Ready	187P028H01	17.00
Faster	187P029H01	17.00
Slower	187P030H01	17.00
Blank (anodized)	187P055H01	17.00
Blank (standard red)	187P056H01	17.00
Blank (oversize black)	187P057H01	17.00

**For Selector Switches**

Start (oversize)	187P058H01	\$17.00
Stop (oversize)	187P059H01	17.00
Blank (anodized oversize)	187P060H01	17.00
Blank (oversize red)	187P061H01	17.00
Blank (kingsize black)	187P062H01	17.00
Blank (kingsize red)	187P063H01	17.00
Forward - Reverse	187P031H01	\$17.00
Hand-Auto	187P032H01	17.00
High-Low	187P033H01	17.00
Inch-Run	187P034H01	17.00
Jog-Run	187P035H01	17.00
Off-On	187P036H01	17.00
On-Off	187P037H01	17.00
Open-Close	187P038H01	17.00
Reverse-Forward	187P039H01	17.00
Safe-Run	187P040H01	17.00
Start-Inch	187P041H01	17.00
Up-Down	187P042H01	17.00
Start-Stop	187P043H01	17.00
Stop-Start	187P044H01	17.00
Off-Coolant-On	187P045H01	17.00
Auto-Off-Hand	187P046H01	17.00
Hand-Off-Auto	187P047H01	17.00
Run-Off-Inch	187P048H01	17.00

**For Indicating Lights**

120 Volt Ac Light	187P049H01	\$17.00
120 Volt Light	187P050H01	17.00
240 Volt Ac Light	187P051H01	17.00
250 Volt Light	187P052H01	17.00
480 Volt Ac Light	187P053H01	17.00
600 Volt Ac Light	187P054H01	17.00

**Oil-Tite Locking Ring for OT1 and OT2 Operators**

The Oil-Tite locking ring is used when the Westlok legend plate is not required. Locking rings will be supplied at no charge when ordered with the operators. When ordering separately, see below.



Style Number	Description	List Price
277A111G01	10 Locking Rings	\$23.00

Legend plates with special markings (all sizes) - List each \$63.00

① Replacement bulbs listed on page 7.

### Extended Operator Units for Box Mounting Only

For use with Westinghouse die cast enclosures only. Legend plate not included.

#### Indicating Light Units<sup>④</sup> Transformer Type Ac

Volts	Cycles	Unit Without Lens <sup>②④</sup>	
		Catalog Number	List Price <sup>③</sup>
120	60	OTUF	
240	60	OTUJ	
240	60	OTUJ	
600	60	OTUJ	
120	25/50	OTHF	
240	25/50	OTHG	
480	25/50	OTHH	

#### Full Voltage Ac or Dc

Volts	Unit Without Lens <sup>②④</sup>	
	Catalog Number	List Price <sup>③</sup>
6	OTGA	
12	OTGB	
24	OTGC	
32	OTGD	
48	OTGE	
120	OTGF	

#### Candelabra Screw Base Lights Full Voltage Type for Cover Mounting

Unit Without Lens <sup>②④</sup>		
Description	Catalog Number	List Price <sup>③</sup>
12 Volt Ac/Dc	OTSFD	
24 Volt Ac/Dc	OTSFC	
62 Volt Ac/Dc	OTSFD	
48 Volt Ac/Dc	OTSFE	
125 Volt Ac/Dc	OTSFF	
250 Volt Ac/Dc	OTSFG	

#### Selector Switch Safety Lock-offs



2 or 3 Position Lock Left or Right OT2SC2 \$132.00



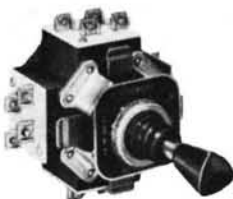
3 Position, Center Lock OT2SC1 \$132.00

#### Pushbutton Safety Cover



OT2PC \$113.00

#### 4 Way Joystick Operator



The Joystick Operator uses one handle to individually operate four SPDT contact blocks. It is supplied as a maintained contact unit, and is easily field convertible to momentary contact on any or all positions.

The handle position can be used to indicate relative motion of the machine being controlled. It also provides automatic four-way interlocking since the four contact blocks can be operated only one at a time.

#### List Prices

Joystick Operator, complete with contact blocks and blank legend plate:

Catalog Number	List Price
OTJS4	\$668.00

Special legend plate marking as specified:  
List Price \$63.00 each

#### Contact Ratings, Amperes

Voltage	Normal Load Break		Inrush	Continuous
	Normal Load	Break		
110-125 Ac	6.0		60	10
220-250 Ac	3.0		30	10
440-480 Ac	1.5		15	10
550-600 Ac	1.2		12	10
115-125 Dc	2.2		2.2	10
230-250 Dc	1.1		1.1	10
550-600 Dc	.4		.4	10

#### Push-Pull Control Units

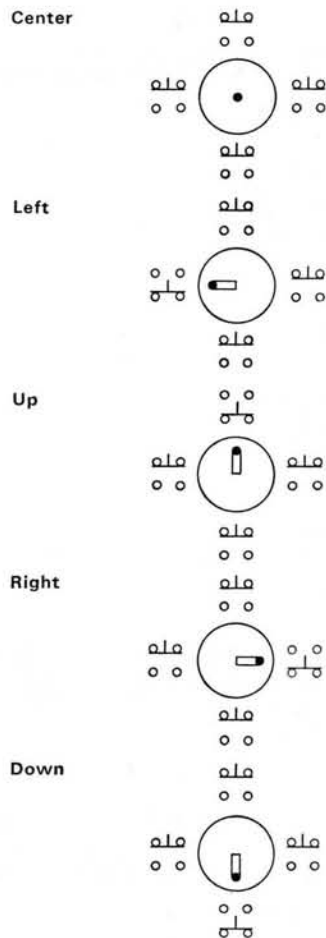


#### Momentary Contacts

Includes operator, 1NO and 1NC contacts and king-size legend plate.

Catalog Number	List Price
OT1D1AP	\$143.00 <sup>③</sup>

#### Contact Arrangement, Handle Position



#### Maintained Contacts

Maintained contact pushbuttons are operated by pushing the "toggle action" operator, which will remain "IN" until manually pulled out. The contacts are non-teasable which means it is ideal for two wire control, and "STOP" and "EMERGENCY" applications.

Description And Contacts	Catalog Number	List Price <sup>③</sup>
Black Operator Only	OT1D10M	\$143.00
1 NO, 1 NC, Black	OT1D1AM	165.00
2 NO, 2 NC, Black	OT1D1CM	188.00
Red Operator Only	OT1D20M	143.00
1 NO, 1 NC, Red	OT1D2AM	165.00
2 NO, 2 NC, Red	OT1D2CM	188.00

<sup>②</sup> Order lens from page 7.  
<sup>③</sup> Does not include legend plate. Specify style number or marking from page 8.  
<sup>④</sup> Replacement bulbs listed on page 7.

## Accessories for Flush Pushbutton Operators

Description	Style Number	List Price
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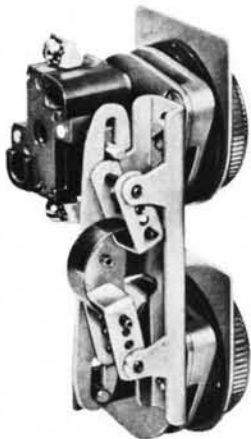
### Lever Operator



Lever mounts on standard 2 1/4" Oil Tite centers. Provides ease in glove operation, spring return to center. Use with two no shroud operators.

314C285G01 \$195.00

### Maintained Contact Assembly



Includes 1 Red and 1 Black Operator and 1 OT2B Contact Block.

506C934G01 \$413.00

### Latching Attachment



For use with extended or mushroom head operator. Locks operator in depressed position.

314C288G01 \$90.00

Description	Color	Style Number <sup>①</sup>	List Price <sup>①</sup>
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### Operator Color Caps<sup>②</sup>



Color	Style Number <sup>①</sup>	List Price <sup>①</sup>
Black	315C466G19	\$23.00 for 10
Red	315C466G20	23.00 for 10
Green	315C466G21	23.00 for 10
Yellow	315C466G22	23.00 for 10
Blue	315C466G23	23.00 for 10
Brown	315C466G24	23.00 for 10
Gray	315C466G25	23.00 for 10

SOLD IN LOTS OF 10 ONLY

### Extended Snap-in Caps<sup>①</sup>

For standard flush operators, extended operators and mushroom head operators.

Color	Style Number <sup>①</sup>	List Price <sup>①</sup>
Black	315C466G12	23.00 for 10
Red	315C466G13	23.00 for 10
Green	315C466G14	23.00 for 10
Yellow	315C466G15	23.00 for 10
Blue	315C466G16	23.00 for 10
Brown	315C466G17	23.00 for 10
Gray	315C466G18	23.00 for 10

Flush and extended caps are interchangeable on the same basic operator.

SOLD IN LOTS OF 10 ONLY

### Mushroom Head Caps<sup>①</sup>

Mushroom head caps are for use only on mushroom head operators.

Color	Style Number <sup>①</sup>	List Price <sup>①</sup>
Black	315C466G01	38.00 for 10
Red	315C466G02	38.00 for 10
Green	315C466G03	38.00 for 10
Yellow	315C466G04	38.00 for 10

SOLD IN LOTS OF 10 ONLY

### Dust-Tight Caps



Color	Style Number <sup>①</sup>	List Price <sup>①</sup>
Black	314C245G01	\$42.00
Red	314C245G02	42.00
Green	314C245G03	42.00
Gray	314C245G04	42.00

Provides protection against very dusty conditions. For use with flush operator.

### Hole Plug



**OBSOLETE**  
Gray 1588 992

To blank unused holes in surface or flush station enclosures.

### Extended Clamp Ring



..... 454D610H09 \$120.00

Serves as a full shroud for extended operators or as an extended shroud for flush operators.

① Styles are for 1 cap - order in multiples of 10. Price shown is for 10 caps.

**Accessories for Extended Pushbutton Operators**

Description	Color	Style Number	List Price
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**Latching Attachment**



Cams half-shrouded operator down to "mid" position. Can be padlocked when down and is tamper-proof. (Not for use with make before break contact blocks.)

.....	1470 797	\$113.00
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**Lever Operator**



Lever mounts on standard Oil Tite centers. Provides ease in glove operation, spring return to center.

.....	1764 453	\$195.00
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**Dust-Tight Caps and Operators**



Provides protection for unshrouded operator against very dusty conditions.

Cap with	Red	1764 470	\$42.00
Clamp	Black	1764 469	42.00
Ring	Green	29B7300G5	42.00
Only	Gray	29B7300G6	42.00
Cap with	Red	1764 471	68.00
Operator	Black	1764 472	68.00
	Green	29B7300G7	68.00
	Gray	28B7300G8	68.00

**Momentary-Maintained Contact Operator, Panel Mounting Only**



Latch operator operates its own contact block, when adjacent unit is not depressed.

Black	1720 093 (Includes contact block)	\$129.00
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Description	Color	Style Number	List Price
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**Hole Plug**



**OBsolete**  
Gray 1588 992

To blank unused holes in surface or flush station enclosures.

**Maintained Contact Assembly**

506C933G01	\$413.00
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Includes 1 Red and 1 Black operator and 1 OT1A contact block.