

Product Selection — Operators

When Ordering a Complete E30 Control Unit Specify

- Catalog Number of Operator
- Catalog Number of Button(s)
- Catalog Number of Contact Block(s)
- Catalog Number of Accessories (if required)

Ordering Example:

E30AB
 E30KB130 "START"
 E30KB231 "STOP"
 E30KLA1 1NO
 E30KLA2 1NC

Square Multifunction Operators

Table 47-139. Single Button Operator/without Button — Order Buttons Separately — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13




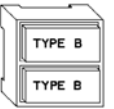
	Operation	Special Features	Catalog Number	Price U.S. \$	Button Type
 <p>Single Button Operator shown with Extended Button</p>	Momentary	—	E30AA		<p>Button Type Required</p>  <p>Order from Table on Page 47-105</p>


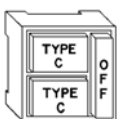
Table 47-140. Two Button Operator/without Buttons — Order Buttons Separately — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

	Operation		Special Features	Catalog Number	Price U.S. \$	Button Type
	Top Button	Bottom Button				
 <p>Two Button Operator shown with Extended Buttons</p>	Momentary	Momentary	—	E30AB	<p>Button Types Required</p>  <p>Order from Table on Page 47-105</p>	
	Momentary	Momentary	With Mechanical Interlock	E30AC		
	Maintained (All Contacts)	Release (All Contacts)		E30AD ①		
	Maintained (All Contacts)	Release (All Contacts)	With Mechanical Interlock	E30AP ①②		

① Limited to two single circuit, one double circuit 600V or two 120V (E30KLA9) contact blocks behind each button.

② Buttons are interlocked so that one of the two is maintained at all times. Depressing the other button releases the maintained button and maintains the depressed button.

Table 47-141. Two Button Operator with Long (OFF) Release Bar — Includes OFF Bar/Button — Order Other Buttons Separately — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

	Operation		Special Features	Catalog Number	Price U.S. \$	Button Type
	Top Button	Bottom Button				
 <p>Two Button Operator shown with Long Release Bar</p>	Maintained	Maintained	—	E30AF	<p>Button Types Required ③</p>  <p>Order from Table on Page 47-105</p>	
	Maintained	Maintained	With Mechanical Interlock	E30AG		
	Maintained	Momentary	With Mechanical Interlock	E30AH		
	Maintained (All Contacts)	Maintained (Bottom Contacts Only)	Top Button Operates Both Top and Bottom Contacts	E30AK ④		





③ Operators are supplied as standard with red extended bar(s) marked "OFF" as shown in sketch. For other colors or markings, contact your nearest Eaton Distributor or call our Customer Service Center 1-800-356-1243. For replacement of standard red release bar, order E30KR100.

④ Limited to two single circuit, one double circuit 600V or two 120V (E30KLA9) contact blocks behind each button.

E30 Series, Operators & Indicating Lights


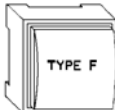
Square Multifunction Operators and Indicating Lights

Table 47-142. Two Button Operator with (OFF) Release — Includes OFF Bar/Button(s) — Order Other Buttons Separately — UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

	Operation		Special Features	Catalog Number	Price U.S. \$	Button Type
	Top Button	Bottom Button				
 <p>Two Button Operator shown with Release Bar for Top Button</p>	Maintained	Momentary	Release Bar for Top Button	E30AL		Button Types Required ^①  Order from Table on Page 47-105
	Maintained	Maintained	Individual Release Bars for Each Button	E30AN		
 <p>Two Button Operator shown with Individual Release Bars for Each Button</p>	Maintained with Interlock	Maintained with Interlock	Individual Release Bars for Each Button	E30AM		Button Types Required ^①  Order from Table on Page 47-105


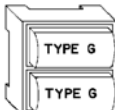
① Operators are supplied as standard with red extended release bar(s) marked "OFF" as shown in sketch. For other colors or markings, contact your nearest Eaton Distributor or call our Customer Service Center 1-800-356-1243. For replacement of standard red release bar, order E30KR101.

Table 47-143. Single Indicating Light Unit/without Lens — Order Lenses Separately — UL (NEMA) Type 3, 3R, 3S, 4, 4X, 12, 13

	Type of Light Element								Lens Type
	Transformer (60/50 Hertz AC)				Full Voltage (60/50 Hertz AC or DC)				
	Voltage	Lamp Number ^②	Catalog Number	Price U.S. \$	Voltage	Lamp Number ^②	Catalog Number	Price U.S. \$	
 <p>Single Indicating Light Unit shown with Lens</p>	120	6PSB	E30BA		24 120	24PSB 120PSB	E30BJ E30BM		Lens Type Required  Order from Table on Page 47-106

② Light units will also accept LED lamps. For LED Part Numbers, see Table 47-149 on Page 47-104.

Table 47-144. Dual Indicating Light Unit/without Lenses — Order Lenses Separately — UL (NEMA) Type 3, 3R, 3S, 4, 4X, 12, 13

	Type of Light Element								Lens Type
	Transformer (60/50 Hertz AC)				Full Voltage (60/50 Hertz AC or DC)				
	Voltage	Lamp Number ^③	Catalog Number	Price U.S. \$	Voltage	Lamp Number ^③	Catalog Number	Price U.S. \$	
 <p>Dual Indicating Light Unit shown with Lens</p>	120	6PSB	E30CA		24 120	24PSB 120PSB	E30CJ E30CM		Lens Type Required  Order from Table on Page 47-107

③ Light units will also accept LED lamps. For LED Part Numbers, see Table 47-149 on Page 47-104.

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 Buttons and Lens Pages 47-105 – 47-107
 Contact Blocks Page 47-108
 Dimensions Page 47-114
 Replacement Lamps and Lamp Receptacles Page 47-113
 Discount Symbol 1CD1C

Product Selection — Operator Components

Operating Buttons Only

Table 47-150. Type A Buttons with Standard Markings


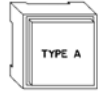
	Color	Marking	Extended Button		Short Button		Color	Marking	Extended Button		Short Button		Button Application
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	
 Type A Extended Button for Use with Operator E30AA, Legend Characters 3/16 Inch (4.8 mm) High	Black	Blank	E30KA100		E30KA150		Green	START	E30KA330		E30KA380		
	Black	START	—		E30KA180		Yellow	Blank	E30KA400		E30KA450		
Red	Blank	E30KA200		E30KA250		White	Blank	E30KA500		E30KA550			
Red	EMERG. STOP	E30KA204		—		Gray	Blank	E30KA600		E30KA650			
Red	OFF	E30KA218		E30KA268		Brown	Blank	E30KA700		E30KA750			
Red	STOP	E30KA231		E30KA281		Orange	Blank	E30KA800		E30KA850			
Green	Blank	E30KA300		E30KA350		Blue	Blank	E30KA900		E30KA950			

Table 47-151. Type B Buttons with Standard Markings




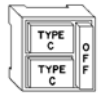
	Color	Marking	Extended Button		Short Button		Color	Marking	Extended Button		Short Button		Button Application
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	
 Type B Extended Button for Use with Operators E30AB thru AE, AL and DA thru DE, Legend Characters 3/16 Inch (4.8 mm) High	Black	Blank	E30KB100		E30KB150		Black	REVERSE	E30KB125		E30KB175		
	Black	AUTO	E30KB101		E30KB151		Black	RUN	E30KB126		E30KB176		
	Black	CLOSE	E30KB102		E30KB152		Black	SLOW	E30KB128		E30KB178		
	Black	DOWN	E30KB103		E30KB153		Black	START	E30KB130		E30KB180		
	Black	FAST	E30KB105		E30KB155		Black	TEST	E30KB132		E30KB182		
	Black	FORWARD	E30KB107		E30KB157		Black	UP	E30KB134		E30KB184		
	Black	HIGH	E30KB109		E30KB159		Red	Blank	E30KB200		E30KB250		
	Black	IN	E30KB110		E30KB160		Red	EMERG. STOP	E30KB204		—		
	Black	INCH	E30KB111		E30KB161		Red	OFF	E30KB218		E30KB268		
	Black	JOG	E30KB112		E30KB162		Red	STOP	E30KB231		E30KB281		
	Black	JOG FOR.	E30KB113		E30KB163		Green	Blank	E30KB300		E30KB350		
	Black	JOG REV.	E30KB114		E30KB164		Green	START	E30KB330		E30KB380		
	Black	LOW	E30KB115		E30KB165		Yellow	Blank	E30KB400		E30KB450		
	Black	LOWER	E30KB116		E30KB166		White	Blank	E30KB500		E30KB550		
	Black	MAN	E30KB117		E30KB167		White	AUTO	E30KB501		—		
	Black	ON	E30KB119		E30KB169		White	HAND	E30KB508		—		
Black	OPEN	E30KB120		E30KB170		Gray	Blank	E30KB600		E30KB650			
Black	OUT	E30KB121		E30KB171		Brown	Blank	E30KB700		E30KB750			
Black	RAISE	E30KB122		E30KB172		Orange	Blank	E30KB800		E30KB850			
Black	RESET	E30KB124		E30KB174		Blue	Blank	E30KB900		E30KB950			

Table 47-152. Type C Buttons with Standard Markings

	Color	Marking	Extended Button		Short Button		Color	Marking	Extended Button		Short Button		Button Application
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	
 Type C Extended Button for Use with Operators E30AF thru AK, AL thru AM and DG thru DM, Legend Characters 1/8 Inch (3.2 mm) High	Black	Blank	E30KC100		E30KC150		Black	RESET	E30KC124		E30KC174		
	Black	AUTO	E30KC101		E30KC151		Black	REVERSE	E30KC125		E30KC175		
	Black	CLOSE	E30KC102		E30KC152		Black	RUN	E30KC126		E30KC176		
	Black	DOWN	E30KC103		E30KC153		Black	SLOW	E30KC128		E30KC178		
	Black	FAST	E30KC105		E30KC155		Black	START	E30KC130		E30KC180		
	Black	FORWARD	E30KC107		E30KC157		Black	TEST	E30KC132		E30KC182		
	Black	HAND	E30KC108		E30KC158		Black	UP	E30KC134		E30KC184		
	Black	HIGH	E30KC109		E30KC159		Red	Blank	E30KC200		E30KC250		
	Black	IN	E30KC110		E30KC160		Red	OFF	E30KC218		—		
	Black	INCH	E30KC111		E30KC161		Red	STOP	E30KC231		E30KC281		
	Black	JOG	E30KC112		E30KC162		Green	Blank	E30KC300		E30KC350		
	Black	JOG FOR.	E30KC113		E30KC163		Green	START	E30KC330		E30KC380		
	Black	JOG REV.	E30KC114		E30KC164		Yellow	Blank	E30KC400		E30KC450		
	Black	LOW	E30KC115		E30KC165		White	Blank	E30KC500		E30KC550		
	Black	LOWER	E30KC116		E30KC166		Gray	Blank	E30KC600		E30KC650		
	Black	MAN	E30KC117		E30KC167		Brown	Blank	E30KC700		E30KC750		
Black	ON	E30KC119		E30KC169		Orange	Blank	E30KC800		E30KC850			
Black	OPEN	E30KC120		E30KC170		Blue	Blank	E30KC900		E30KC950			
Black	OUT	E30KC121		E30KC171									
Black	RAISE	E30KC122		E30KC172									