

10250T Series, Components — Contact Blocks

Contact Blocks

Standard Contact Blocks

- UL A600/P600 rated
- Color-coded plungers – red/green for NC/NO circuits
- Silver contact tips with “reliability nibs”
- Gray (opaque) or amber (translucent) housings
- Pressure plate or spade terminals
- Fingerproof shrouds (for pressure terminals only)

Logic Level Contact Blocks

- UL A600/P600 rated
- Color-coded plungers
- Inert palladium knife-blade contacts
- Gray (opaque) housings
- Pressure plate or spade terminals

Special Function Contact Blocks

- UL A600/P600 rated
- Color-coded plungers
- Silver contact tips with “reliability nibs”
- Gray (opaque) housings
- Pressure plate terminals only

Special Purpose Contact Block

- Maximum 300V rated
- Black plungers
- Silver contact tips with “reliability nibs”
- Black (opaque) housings
- Pressure plate terminals only
- Fingerproof shrouds not available

Reliability Nibs

Reliability nibs are the hallmark of Eaton’s Cutler-Hammer contact blocks. A pointed silver nib on the contact tip ensures reliable switching from logic level (5V) up to 600V applications.

Therefore standard contact blocks can be used for most logic level applications where the contacts are not exposed to any harsh environmental conditions.

Palladium Contacts

Palladium, which is more inert than gold, is well suited for voltages and currents approaching zero and is recommended for applications where environmental conditions are a factor.

Maximum Contact Block Mounting per Operator Type

Operator	Max. Stack	Operator	Max. Stack
Pushbuttons	6	2- or 3-Position Selector Switches	6
Push-Pull Operators	2	4-Position Selector Switches	4
Roto-Push Operators	4	Joysticks	4

Table 47-234. Contact Blocks

Symbol	Circuit	Description n/Notes ①	Standard				Logic Level			
			Pressure Terminals		Spade Terminals ②		Pressure Terminals		Spade Terminals ②	
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51		10250T59		10250T51E		10250T59E	
	1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53		10250T60		10250T53E		10250T60E	
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1		10250T40		10250T1E		10250T40E	
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3		10250T42		10250T3E		10250T42E	
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2		10250T41		10250T2E		10250T41E	
Special Function Blocks ③										
	LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71		—		10250T71E		—	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47		—		10250T47E		—	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57		—		10250T57E		—	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45		—		10250T45E		—	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55		—		10250T55E		—	
Special Purpose Blocks ⑤										
	2NO-2NC	Four circuits in single block depth. Rated 300V max. Stack up to 4 blocks unless otherwise noted.	10250T44		—					

① All 10250T contact blocks shown are suitable for use on standard 10250T and E34 operators. These contact blocks are not suitable for Class I Division 2 type 10250T or E34 devices.
 ② Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between devices is 2.5” (63.5 mm). Not suitable for use in 10250T or E34 enclosures. Also available in amber housing. Not available with fingerproof shrouds.

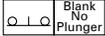
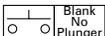
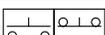
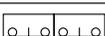
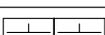
③ Special function contact blocks are not suitable for use with roto-push operators, 3-position push-pull operators, or 4-position selector switches.
 ④ ECNO contact blocks are not suitable for use with 2-position joysticks or when operators are used with padlock attachments.

⑤ Special purpose 10250T44 contact blocks are not suitable on selector switches or roto-push operators. Okay to use with 3-position push-pull operators only on low voltage (30V or less) circuits. Fingerproof shrouds not available.

Ratings **Page 47-116**
 Dimensions **Pages 47-160 – 47-162**
 Discount Symbol **1CD1C**

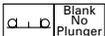
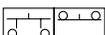
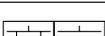
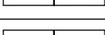
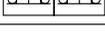
Contact Blocks (Continued)

Table 47-235. Contact Blocks with Fingerproof Shrouds

Symbol	Circuit	Description/ Notes ①	Standard		Logic Level	
			Pressure Terminals ②		Pressure Terminals ②	
			Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51P		10250T51EP	
	1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53P		10250T53EP	
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1P		10250T1EP	
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3P		10250T3EP	
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2P		10250T2EP	



Special Function Blocks ④

	LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71P ③		10250T71EP ③	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47P ③ ④		10250T47EP ③	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57P ③ ④		10250T57EP ③	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45P ③		10250T45EP ③	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55P ③ ④		10250T55EP ③	

① All 10250T contact blocks shown are suitable for use on standard 10250T and E34 operators. These contact blocks are not suitable for Class I Division 2 type 10250T or E34 devices.

② To order contact blocks with translucent amber housing, change Suffix P to **CP** in Catalog Number e.g. 10250T51**CP**.

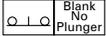
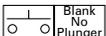
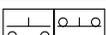
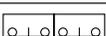
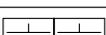
③ Special function contact blocks are not suitable for use with roto-push operators, 3-position push-pull operators, or 4-position selector switches.

④ ECNO contact blocks are not suitable for use with 2-position joysticks or when operators are used with padlock attachments.

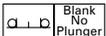
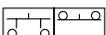
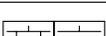
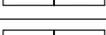
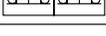
10250T Series, Components — Contact Blocks

Contact Blocks (Continued)

Table 47-236. Amber Contact Blocks

Symbol	Circuit	Description/ Notes ①	 10250T1C	Standard				Logic Level			
				Pressure Terminals ②		Spade Terminals ③		Pressure Terminals ②		Spade Terminals ③	
				Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	1NC	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T51C		10250T59C		10250T51EC		10250T59EC		
	1NO	Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T53C		10250T60C		10250T53EC		10250T60EC		
	NO-NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T1C		10250T40C		10250T1EC		10250T40EC		
	2NC	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T3C		10250T42C		10250T3EC		10250T42EC		
	2NO	Stack up to 6 blocks (12 circuits) unless otherwise noted.	10250T2C		10250T41C		10250T2EC		10250T41EC		

Special Function Blocks ③

	LONC	Late opening NC. Stack up to 6 blocks (6 circuits) unless otherwise noted.	10250T71C ④		—		10250T71EC ④		—	
	ECNO-NC	Early closing NO and standard NC. Stack up to 6 blocks unless otherwise noted.	10250T47C ④ ⑤		—		10250T47EC ④		—	
	ECNO-NO	Early closing NO and standard NO. Stack up to 4 blocks unless otherwise noted.	10250T57C ④ ⑤		—		10250T57EC ④		—	
	2LONC	Two late opening NC contacts. Stack up to 6 blocks unless otherwise noted.	10250T45C ④		—		10250T45EC ④		—	
	LONC-ECNO	Overlapping contacts. Stack up to 4 blocks unless otherwise noted.	10250T55C ④ ⑤		—		10250T55EC ④		—	

① All 10250T contact blocks shown are suitable for use on standard 10250T and E34 operators. These contact blocks are not suitable for Class I Division 2 type 10250T or E34 devices.

② To order amber contact blocks with fingerproof shrouds, change Suffix to **CP** in the Catalog Number e.g. 10250T51**CP**. Not available with spade terminals.

③ Contact blocks with spade terminals are limited to a maximum of one contact block per operator and minimum spacing between devices is 2.5" (63.5 mm). Not suitable for use in 10250T or E34 enclosures. Also available in amber housing. Not available with fingerproof shrouds.

④ Special function contact blocks are not suitable for use with roto-push operators, 3-position push-pull operators, or 4-position selector switches.

⑤ ECNO contact blocks are not suitable for use with 2-position joysticks or when operators are used with padlock attachments.

Options

Legend Plates

Legend Plates with Standard Markings

The legend plates listed below are sized for all standard commercial enclosures and Eaton's Cutler-Hammer cast enclosures. For vertical spacing less than 1.75", replace the **S** in the Catalog Number with **MS**, or the **M** with **P** (except Push-Pull). No change in price. The smaller size legend plates, "MS" or "P" size, have limited space for legend.

Table 47-237. For Pushbutton Operators and Indicating Lights — Standard

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ①	1/2 Round
Blank See Table 47-243 on Page 47-152			

Letters on Legend Plates Below are 3/16" High

CLAMP	Black	10250TS90	10250TM90
CLOSE	Black	10250TS73	10250TM11
DOWN	Black	10250TS74	10250TM12
EMERG. STOP	Red	10250TS13	10250TM13
FAST	Black	10250TS75	10250TM14
FASTER	Black	10250TS87	10250TM87
FEEDER ON	Black	10250TS94	10250TM94
FEEDER OFF	Black	10250TS95	10250TM95
FORWARD	Black	10250TS15	10250TM15
HIGH	Black	10250TS16	10250TM16
IN	Black	10250TS17	10250TM17
INCH	Black	10250TS18	10250TM18
JOG	Black	10250TS19	10250TM19
JOG FOR.	Black	10250TS20	10250TM20
JOG REV.	Black	10250TS21	10250TM21
LOW	Black	10250TS22	10250TM22
LOWER	Black	10250TS23	10250TM23
LUBE-FAIL	Black	10250TS92	10250TM92
MOTOR RUN	Black	10250TS81	10250TM81
MOTOR STOP	Black	10250TS82	10250TM82
OFF	Red	10250TS24	10250TM24
ON	Black	10250TS25	10250TM25
OPEN	Black	10250TS26	10250TM26
OUT	Black	10250TS27	10250TM27
POWER ON	Black	10250TS80	10250TM80
RAISE	Black	10250TS28	10250TM28
READY	Black	10250TS86	10250TM86
RESET	Black	10250TS29	10250TM29
REVERSE	Black	10250TS30	10250TM30
RUN	Black	10250TS31	10250TM31
SAFE	Black	10250TS85	10250TM85
SLOW	Black	10250TS32	10250TM32
SLOWER	Black	10250TS88	10250TM88
START	Black	10250TS33	10250TM33
STOP	Red	10250TS34	10250TM34
TEST	Black	10250TS83	10250TM83
TRANSFER	Black	10250TS93	10250TM93
TRIP	Black	10250TS84	10250TM84
UNCLAMP	Black	10250TS91	10250TM91
UP	Black	10250TS35	10250TM35

① Square legend plates have a satin aluminum field. Color is on lower portion.

Table 47-238. Blank Plastic Legend Plates — Square

Price Each — U.S. \$				
Color		Catalog Number		
Lettering	Field	Standard	Jumbo ③	Extra Large
Black	White or Silver ②	10250TSP76	10250TLP76	10250TEP76
White	Red or Black ②	10250TSP77	10250TLP77	10250TEP77

② If legend plate is to be engraved, specify field color required.

③ Cannot be used on cast enclosures except for top row. Suitable for most sheet metal enclosures.



Square Legend Plate
Catalog Number
10250TS41



1/2 Round Legend Plate
Catalog Number
10250TM38



70 mm Round — Plastic Legend Plate
Catalog Number
10250TRP79

Table 47-239. For Selector Switch and Roto-Push Operators — Standard Size

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ④	1/2 Round
Blank See Table 47-243 on Page 47-152			
2-Position — 5/32" High Lettering			
FOR. REV.	Black	10250TS38	10250TM38
HAND AUTO	Black	10250TS39	10250TM39
HIGH LOW	Black	10250TS40	10250TM40
JOG RUN	Black	10250TS41	10250TM41
MAN. AUTO	Black	10250TS67	10250TM67
OFF ON	Black	10250TS42	10250TM42
OPEN CLOSE	Black	10250TS43	10250TM43
RUN JOG	Black	10250TS44	10250TM44
SAFE RUN	Black	10250TS45	10250TM45
START JOG	Black	10250TS46	10250TM46
START STOP	Black	10250TS47	10250TM47
UP DOWN	Black	10250TS48	10250TM48
3-Position — 1/8" High Lettering			
AUTO OFF HAND	Black	10250TS49	10250TM49
FOR. OFF REV.	Black	10250TS50	10250TM50
FOR. SAFE REV.	Black	10250TS69	10250TM69
HAND OFF AUTO	Black	10250TS51	10250TM51
MAN. OFF AUTO	Black	10250TS68	10250TM68
OPEN OFF CLOSE	Black	10250TS53	10250TM53
RUN SAFE JOG	Black	10250TS70	10250TM70
UP OFF DOWN	Black	10250TS54	10250TM54
ON STOP SAFE	Red	10250TS71	10250TM71

④ Square legend plates have a satin aluminum field. Color is on lower portion.

Table 47-240. 45 mm and 70 mm Plastic — Round

Color		Catalog Number	Price U.S. \$
Lettering	Field		
45 mm			
Blank	Yellow or Red ⑤	10250TRP78	
70 mm			
Blank	Yellow or Red ⑤	10250TRP76	
Red EMERG. STOP	Yellow	10250TRP79	

⑤ If legend plate is to be engraved, specify field color required.

Table 47-241. For Push-Pull Units ⑥

Price Each — U.S. \$			
Legend	Color of Field	Catalog Number	
		Square ⑦	1/2 Round
Standard Size — Letters on Legend Plates Below are 3/32" High			
PULL START/PUSH STOP	Green/Red	10250TPP2	10250TR2
PUSH ON/PULL OFF	Black	10250TPP5	10250TR5
PULL OPEN/PUSH CLOSE	Black	10250TPP8	10250TR8
PULL UP/PUSH DOWN	Black	10250TPP11	10250TR11
Jumbo Size — Letters on Legend Plates Below are 1/8" High			
PULL START/PUSH STOP	Green/Red	10250TPP3	10250TR3
PULL ON/PUSH OFF	Black	10250TPP6	10250TR6
PULL OPEN/PUSH CLOSE	Black	10250TPP9	10250TR9
PULL UP/PUSH DOWN	Black	10250TPP12	10250TR12

⑥ All Push-Pull Legend Plates include the symbols ↑↓ in the center of the plate.

⑦ Square legend plates have a satin aluminum field. Color is on lower portion.

10250T Series, Legend Plates

Legend Plates with Non-standard Markings

When Ordering Specify

- Catalog Number of Blank Plate Phase plus Suffix "STAMP."
- Insert the following into Order Notes: Legend, Letter Size and Locations (Letters A - W) — combine letters for definitive locations as shown.

Ordering Example:

Catalog No.: **10250TS36STAMP**
 Letter Size: 3/32 inch (2.4 mm)
 Pos. A — POWER HOUSE
 Pos. B — START PUMP 1

Legend Characters Available

ABCDEFGHIJKLMN OPQRSTUVWXYZ
 -./,1234567890

Legend characters on black and red plates are white — on satin aluminum plates, characters are black.

Blackening Kit

Solution blackens aluminum exposed by engraving process. Must be applied immediately after engraving. 0.3 oz. bottle — sufficient for approximately 1100 legend plates.

Table 47-242. Blackening Kit

Catalog Number	Price U.S. \$
10250TBK	

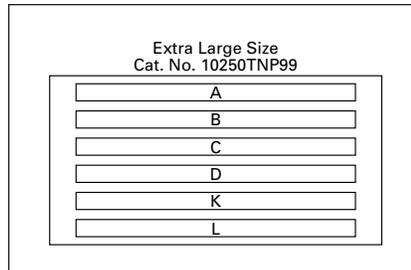


Figure 47-112. Legend Positions

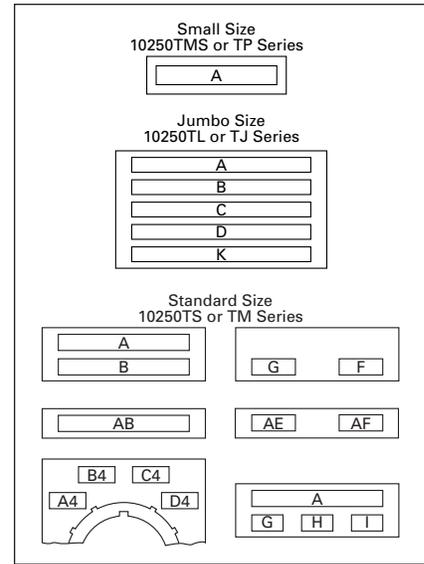


Figure 47-113. Legend Positions

Table 47-243. Blank and Custom Engraved Legend Plates

Style	Color	Small	Standard	Jumbo ③	Extra Large ②	4-Position Selector Switch		Push-Pull with Symbols ①		Price U.S. \$	
		Catalog Number	Catalog Number	Catalog Number	Catalog Number	Custom ⑤	Standard	Standard	Jumbo ③	Blank	Custom Engraved
Square ④	Black	10250TMS36	10250TS36	10250TL36	—	10250TS76	10250TS72	10250TPP17	10250TPP18		
	Red	10250TMS37	10250TS37	10250TL37	—	—	—	—	—		
	Green/Red Satin Alum.	—	—	—	10250TNP99	—	—	10250TPP20	10250TPP21		
1/2 Round	Black	10250TP36	10250TM36	10250TJ36	—	—	10250TM72	10250TR17	10250TR18		
	Red	10250TP37	10250TM37	10250TJ37	—	—	—	10250TR20	10250TR21		
	Green/Red Satin Alum.	—	10250TM89	10250TJ89	—	—	—	—	—		

- ① All Push-Pull Legend Plates include the symbols ↑ ↓ in the center of the plate.
- ② When used to meet Ford Motor Co. specifications, specify engraved legend. Cannot be used on standard cast or sheet metal enclosures.
- ③ Cannot be used on cast enclosures except for top row. Suitable for most sheet metal enclosures.
- ④ Square legend plates have a satin aluminum field. Color is on lower portion.
- ⑤ Slightly larger than standard size for legends requiring more space — fits cast enclosures.

Table 47-244. Maximum Characters per Legend Plate and Approximate Dimensions

Top (Aluminum and Plastic)	Approximate Dimensions in Inches (mm)		Style	Character Size					
	Width	Height		3/32" High		1/8" High		3/16" High	
				Number of Lines	Number of Characters	Number of Lines	Number of Characters	Number of Lines	Number of Characters
Small ⑥	1.59 (40.4)	1.59 (40.4)	Square 1/2 Round	1 1	17 15	— 1	— 12	— 1	— 9
Standard and Custom	1.75 (44.5)	1.75 (44.5)	Square 1/2 Round	2 2	18 15	2 2	13 12	1 1	9 9
Jumbo ⑦	2.19 (55.6)	2.19 (55.6)	Square 1/2 Round	5 5	23 19	3 4	18 15	2 2	12 11
Extra Large ⑧	2.44 (62)	2.44 (62)	Square	6	25	3	18	3	12

- ⑥ Recommended only when mounting on minimum centers [less than 1-3/4 inch (44.5 mm) vertical centers].
- ⑦ Can be used on top row only of any enclosure.
- ⑧ When used to meet Ford Motor Co. specifications, specify engraved legend. Cannot be used on standard cast or sheet metal enclosures.

Legend Plates for
 Joystick Operator Page 47-141
 Discount Symbol 1CD1C

Enclosures

Die Cast, Polyester and Stainless Steel Enclosures

Table 47-245. Enclosures (Case and Cover) — Surface Mounting ①

	Number of Elements	1 Contact Block Depth		2 Contact Block Depth	
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
 Die Cast Enclosure — Cat. No. 10250TN11	Cast Enclosure — In-Line ②③⑤ NEMA 4, 4X, 12, 13				
	1	10250TN1		10250TN11	
	2	10250TN2		10250TN12	
	3	10250TN3		10250TN13	
	4	10250TN4		10250TN14	
 Polyester Enclosure — Cat. No. E34N52	Polyester ⑤ — In-Line NEMA 3, 4X, 12				
	1	—		E34N51	
	2	—		E34N52	
	3	—		E34N53	
	4	—		E34N54	
 Stainless Steel Enclosure — Cat. No. 10250TN35	Stainless Steel ④⑤ — In-Line NEMA 4, 4X, 12				
	1	—		10250TN33	
	2	—		10250TN34	
	3	—		10250TN35	
	4	—		10250TN36	

① For spacing increments, see Page 47-154.

② All cast enclosures can be converted to base mounting of contact blocks, with spacers 10250TA22 or 10250TA23. See listing on Page 47-156.

③ When used with E30 pushbuttons, only the one element enclosure can be used.

④ 14 gauge, type 304.

⑤ When used with resistor light units, only the 2 contact block depth enclosure can be used.

Table 47-246. Approximate Dimensions

Number of Elements	Element Arrangement	Surface Mounting					Conduit Entrance	Approximate Dimensions
		Dimensions in Inches (mm)						
		Wide A	High B	Deep C	Mounting			
					D	E		
Cast								
1	In-Line	3.88 (98.6)	4.0 (101.6)	3.0 (76.3) ⑦	2.69 (68.3)	3.25 (82.6)	3/4	
2	In-Line	3.88 (98.6)	5.88 (149.4)	3.0 (76.3) ⑦	2.69 (68.3)	5.13 (130.3)	3/4	
3	In-Line	3.88 (98.6)	7.75 (196.9)	3.0 (76.3) ⑦	2.69 (68.3)	7.0 (177.8)	1	
4	In-Line	3.88 (98.6)	9.63 (244.6)	3.0 (76.3) ⑦	2.69 (68.3)	8.88 (225.6)	1	
Polyester								
1	In-Line	3.81 (96.8)	6.63 (168.4)	3.38 (85.9)	2.94 (74.7)	4.88 (124.0)	⑥	
2	In-Line	3.81 (96.8)	6.63 (168.4)	3.38 (85.9)	2.94 (74.7)	4.88 (124.0)		
3	In-Line	3.81 (96.8)	8.88 (225.6)	3.38 (85.9)	2.94 (74.7)	7.13 (181.1)		
4	In-Line	3.81 (96.8)	11.13 (282.7)	3.38 (85.9)	2.94 (74.7)	9.38 (238.3)		
Stainless Steel								
1	In-Line	3.00 (76.2)	3.50 (88.9)	3.00 (76.2)	1.50 (38.1)	4.25 (108.0)	⑥	
2	In-Line	3.50 (88.9)	6.75 (171.5)	3.00 (76.2)	1.50 (38.1)	7.50 (190.5)		
3	In-Line	3.50 (88.9)	9.00 (228.6)	3.00 (76.2)	1.50 (38.1)	9.00 (228.6)		
4	In-Line	3.50 (88.9)	11.25 (285.8)	3.00 (76.2)	1.50 (38.1)	12.00 (304.8)		

⑥ No conduit entrance holes provided. Drill as required.

⑦ Depth given is for two contact block deep stations. One contact block deep stations subtract 3/4 inch (19.1 mm).

Note: 2-position joystick must be used with two contact block deep enclosures (maximum number of contact blocks = 1). 4-position joysticks can not be used within these enclosures.

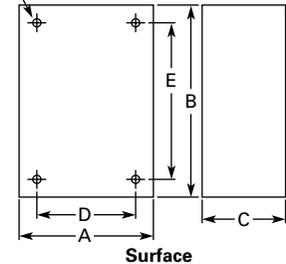


One Contact Block Depth Enclosure



Two Contact Block Depth Enclosure

4 Mtg. Holes — 10-32 Screw Size for
1 – 4 Element Die Cast/
Stainless Steel Enclosure
7/32 Screw Size for
Polyester



Surface

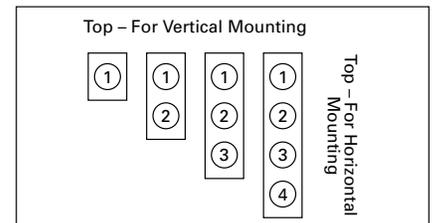


Figure 47-114. Enclosure Layouts

Discount Symbol 1CD1C

10250T Series, Enclosures

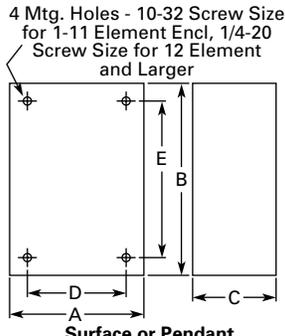
Die Cast and Stainless Steel — Flush Mount, Covers Only

Table 47-247. Covers Only — Flush Mounting

	Number of Elements	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	
	Flush Cast Covers					
		In-Line Deep Cover		In-Line Flat Cover		
	1	10250TF11		10250TF1		
	2	10250TF12		10250TF2		
	3	10250TF13		10250TF3		
	4	10250TF14		10250TF4		
		In-Line Stainless Steel Flush Plates ①				
		With Pullbox		Without Pullbox		
	1	10250TS10		10250TS1		
	2	10250TS11		10250TS2		
	3	10250TS12		10250TS3		
	4	10250TS14		10250TS4		

① Not oiltight. NEMA 1 applications only.

Table 47-248. Approximate Dimensions

Number of Elements	Flush Mounting					Approximate Dimensions
	Dimensions in Inches (mm)					
	Wide A	High B	Deep C	Mounting		
				D	E	
Cast						
1	3.88 (98.6)	4.0 (101.6)	0.25 (6.4) ②	3.50 (88.9)	3.63 (92.2)	
2	3.88 (98.6)	5.88 (149.4)	0.25 (6.4) ②	3.50 (88.9)	5.50 (139.7)	
3	3.88 (98.6)	7.75 (196.9)	0.25 (6.4) ②	3.50 (88.9)	6.0 (152.4)	
4	3.88 (98.6)	9.63 (244.6)	0.25 (6.4) ②	3.50 (88.9)	9.25 (235)	
Stainless Steel						
1	5.0 (127)	5.0 (127)	2.50 (63.5) ③	3.25 (82.6)	1.88 (47.8)	
2	5.0 (127)	6.88 (174.8)	2.50 (63.5) ③	3.25 (82.6)	3.63 (92.2)	
3	5.0 (127)	8.63 (219.2)	2.50 (63.5) ③	3.25 (82.6)	5.50 (139.7)	
4	5.0 (127)	10.50 (266.7)	2.50 (63.5) ③	3.25 (82.6)	7.25 (184.2)	

② Depth given is for flat cover. Deep cover 3/4 inch (19.1 mm) deeper.

③ Depth given includes pull box.

Table 47-249. Spacing Increments

Type	Approximate Dimensions in Inches (mm)		
	F	G	H
Cast	2.44 (62)	2.5 (63.5)	1.88 (47.8)
Polyester	1.88 (47.8)	Min. 2.13 (54.1)	2.25 (57.2)
Stainless Steel	1.69 (42.9)	Min. 1.73 (43.9)	2.25 (57.2)

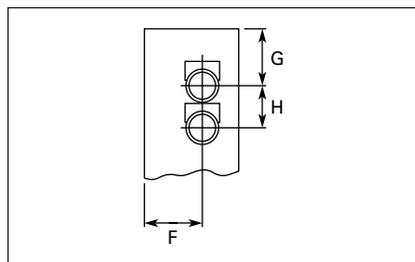


Figure 47-115. Spacing Increments for Enclosures

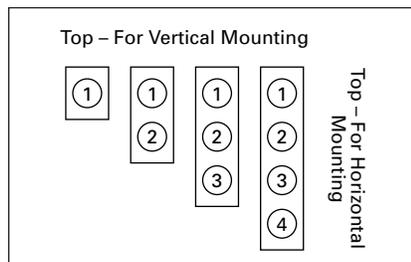


Figure 47-116. Enclosure Arrangement Diagram

Accessories

Padlocks not included with padlocking attachments. For operators with built-in padlock attachment, see **Page 47-120**.

Table 47-250. Accessories

	Description	Catalog Number	Price U.S. \$
Padlock Attachments			
	Padlocking Attachment for Flush Pushbutton Operators Permits locking NC contacts in open position with 1/4" padlock. Will not lock NO contact.	10250TA2	
	Padlocking Attachment for Use with Extended Pushbutton Permits locking NC contacts in open position with 1/4" padlock.	10250TA26	
	Padlocking Cover Guard Cover locked over flush button makes it unaccessible or on extended button locks NC contacts open. Takes 1/4" shank size padlock.	10250TA36	
	Padlock Hasp or Flip-Up Guard When used with a 1/4" padlock, makes flush and long button and knob selector switch unaccessible, but not locked down. Without the padlock, it is a flip-up guard. Padlock hasp can be removed before assembly.	10250TA38	
	Padlocking Attachment for Use with Flexible Weather Resistant Boot Used on long button operators. Stainless steel. Use only for locking NC contacts open.	10250TA63	
	Padlock Attachment For use with Illuminated Push-buttons and maintained Push-Pull operators having standard button or lens only. Use 1/4" padlock. Locks in down position only.	10250TA64	
	Padlocking Attachment for Non-illuminated Knob Selector Switches Provision for up to 5, 1/4" padlocks.	10250TA11	

Shrouds and Guards

	Shroud for Mushroom Head Operator Prevents accidental operation. (Not for push-pull operators.)	10250TA6	
	Extended Retaining Nut Replaces standard nut and provides guard for flush head push-button operators.	10250TA12	
	Guard for Illuminated Pushbutton	10250TA15	
	Shroud For jumbo mushroom head operator. Gray Yellow	10250TA56 10250TA56Y	
	Half Shroud - Yellow For jumbo mushroom head operator.	10250ED1241	
	Fingerproof Shroud — 10 per Package Fits new style contact blocks and light units.	10250TA101	

	Description	Catalog Number	Price U.S. \$
Boots			
	Flexible Weather Resistant Boot For use with button operators (extended buttons preferred). Temperature to -25°F (-32°C) Black Red Green (See Page 47-156 for 10250TA96 Tightening Tool.)	10250TA3 10250TA4 ① 10250TA10	
	Transparent Boot For regular illuminated pushbutton operators and PresTest — Temperature to -38°F (-39°C) ②	10250TA25	
	Boot for Flush Pushbutton Clear Black Red Green	10250TA46 10250TA47 10250TA48 10250TA49	

Hardware and Kits

	Thrust Washers — To meet Ford Motor Co. mounting specifications.	10250TK3	
	Contact Block Tape Seal — Seals plunger openings on last contact block. Order in multiples of 10 pieces.	10250TK5	
	Selector Switch Operator Gasket — Seals out dust from getting in-between the cam and contact block plungers. Supplied as standard with all selector switches.	56-9337	
	Special Retaining Nut — to accommodate thick panel: Indicating lights PresTest, pushbuttons and selector switches	10250TA30 10250TA31	
	Terminal Block — Two terminals, each will accommodate two wire terminations.	10250TA62	
	Spacer Ring — Used when legend plate is not required.	10250TA8	
	Stacking Screw — Replaces transformer mounting screws on indicating light so terminal block 10250TA62 can be mounted to light to support and connect a series resistor. This screw also fits all contact blocks. Order in multiples of 10.	10250TA79	

① Should not be used on flush button for STOP function.

② Not suitable for single contact block depth cast enclosure. Cover is too thick.

10250T Series, Accessories

Table 47-250. Accessories (Continued)

Description	Catalog Number	Price U.S. \$
Hardware and Kits (Continued)		
 Base Mounting Spacers ① — Equivalent to contact block in depth — Complete with screws, washers, etc.	1 Block Deep 2 Block Deep	10250TA22 10250TA23
 Grounding Kits — Kits consist of a ring connector and a #6 screw for mounting connector to rear of contact block mounting screw.		10250TKG1
	All components except Standard Indicating Lights and PresTest Indicating Lights	10250TKG2 ② 10250TKG3 ②
 Contact Block Terminal Jumpers — Available in multiples of 100 only. Term. to Term. — within Block (short) 100 per pkg. 1000 per pkg. Term. to Term. — Block to Block (long) 100 per pkg. 1000 per pkg.		10250TA70 10250TA70-2 10250TA71 10250TA71-2
Special Operators and Attachments		
 Wobble Stick Complete with retaining nut — fits standard button.		10250TA5
 Lever Operator For use with two vertically mounted flush pushbuttons.		10250TA14
 Maintained Contact Attachment Release Button Assembly ② Mechanically interlocks with another pushbutton and contact block (not included). Provides mode indication. Minimum hole centers 1.62 inch (41.1 mm), maximum 2.313 inch (58.8 mm). Black Red Green Yellow Same with Long Button — Black		10250TA17 10250TA18 10250TA19 10250TA20 10250TA39
 Maintained Contact Attachment ② Mechanically interlocks two buttons and provides position indication for one. Use with two pushbutton operators and one or more contact blocks.		10250TA1
 Roto-Push Lever Operator — Used to provide lever operation for Roto-Push operators.		10250TA13

Description	Catalog Number	Price U.S. \$
Special Light Modules		
 Master Test (Dual Input) Module — Internal Form C relay suitable for either AC or DC applications. Total electrical isolation between monitored and test circuit. Fits all illuminated 10250T, E22, E30 and E34 devices. 48V DC		10250TMT8
 Flasher Module — Changes any AC illuminated device to a controlled flashing light. Fits 10250T, E30 and E34 devices. 24V 120V		10250TFL2 10250TFL1
 Flashing Incandescent Lamp — For use with 120V transformer type or 6V full voltage type Indicating Lights including PresTest and most E29 devices.		10250ED986-4
Hole Plugs		
 Plug — For unused holes — Steel, painted gray (Stainless steel, use E30KT5, see Page 47-112)		10250TA7
Tools		
 Octagonal 10250T (notched to fit over selector switch lever), E29 and E30		10250TA95
 E22, E30, E34 and Octagonal 10250T (will not fit over selector switch levers)		E22CW
 Tool for Tightening Boots — Used to install boot Catalog Numbers, 10250TA3, A4, A10 and A25.		10250TA96
 10250T, E34 Allen Wrench — Used for removal of jumbo mushroom head.		10250TA102
 Lamp Removal Tools — For transformer type illuminated pushbuttons, push-pull and selector switches. Fits #12 lamp.		10250TA74
 For full voltage and resistor type illuminated pushbuttons, push-pull and selector switches and E30.		E30KV1
 Standard indicating lights. Fits #44, #755, #6S6 and #10S6.		E29KLT

- ① Component only. Not to be used for custom built (factory assembled) stations.
- ② Not suitable for single contact block depth cast enclosure. Cover is too thick.