







Easy Build-A-Switch:

Below is a complete listing of available options for 3 SERIES THUMBWHEEL SWITCHES. Build-A-Switch allows you to mix and match options to create the switch you need—simply select desired option from each category. All available options are described on pages F-33 thru F-43. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Complete HOW TO ORDER information is at the end of this section, page F-43. Use CONFIGURATION FORM, page F-44, for special instructions. Hardware is available separately, see catalog section H.

SERIES	NUMBER OF SECTIONS	FUNCTION CODE	MOUNTING STYLE	TERMINATIONS	COLOR/ MARKING/ STOPS	SEALS	ILLUMINATION
3	One	Decimal 1 Pole	Front Mount	00000	Black w/ white Markings	Unsealed	None
	\ \					/	Special switch no. assigned by C&K.
							Configuration form required, see page F-44.
	3 0 1 2 3 4 5 6 7 8 9	12 4 13 5 14 5 16 5 21 5 22 6 23 7 24 7	1 04 2 09 8 10 9 14 1 19 0 20 24 1 24 2 29 1 30 3 33 1 34	01345679ABCDEFGHJMU	0 0 1 1 9 2 3 9	(NONE 3 5 6	oatasheetall.com

C&K COMPONENTS, INC.

57 Stanley Avenue, Watertown, MA 02172-4802

Tel: (617) 926-6400, Fax: (617) 926-6846

F-32

94E **1**760885 0004284 233



3 Series thumbwheel switches

NUMBER OF SECTIONS + ----

- Switch section only, no assembly (Blank bodies are considered sections. Endplates are not 0 sections). Must be ordered with 09, 19, mounting style options, see pages F-37 and F-38.
- Number of switch sections in assembly, includes endplates. 1-8
- More than 8 switch sections, specify on CONFIGURATION FORM, page F-44 and consult factory. 9

NOTE: Endplates and blank sections available separately, see catalog section H.

FUNCTION CODE ** ____

DECIMAL -- 1 POLE; 10 POSITION

AVAILABLE TERMINATIONS 0, 1, 3, A

HEE	518	SIGNALS CONNECTED TO COMMON SIGNAL C												
Ē	٥	1	2	3	4	5	6	7	8	9	c			
0	•										•			
1	П	•	Г								•			
2			•								•			
3	Т			•							•			
4					•						•			
5						•					•			
6	T						•				•			
7	T							•			•			
8									•		•			
9	T									•	•			
	2	3	4	5	6	7	8	9	10	11	12			
		TERM. LOCATION												

See fig.1, page F-42.

12 DECIMAL-1 POLE; 10 POSITION

AVAILABLE TERMINATIONS 1, 4, 5, A, D, E

* T W W .	SIG	NAL:	5 CC	NNE	CTE	тс	co	ммоі	1 51	GNA	L C
Ë	0	1	2	Э	4	5	6	7	8	9	С
0	•										•
1		•									•
2	Γ	Ī.,	•								•
3				•							•
4					•						•
5	П		Г			•					•
6	П						•				•
7					Γ			•			•
8											•
9										•	•
	2	3	4	5	7	8	9	10	11	12	6
	TERM. LOCATION										

See fig.1, page F-42.

13 DECIMAL - 2 POLE; 10 POSITION

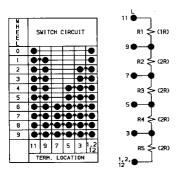
14 RESISTOR DECADE; 1-2-2-2 CODE (RESISTORS NOT SUPPLIED)

AVAILABLE TERMINATIONS M. U

**##J	COMMON A CONN. TO:	COMMON B CONN. TO:							
0	0	0							
1	1	1							
2	2	2							
3	3	3							
4	4	4							
5	5	5							
6	6	6							
7	7	7							
8	8	8							
9	9	9							
FOR TERM. LOC. CONSULT C&K									

Special board, request terminal location, mechanical and electrical specifications from factory.

AVAILABLE TERMINATIONS



See fig.1, page F-42.

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For terminal location diagram, see page F-42

16 DECIMAL-1 POLE; 11 POSITION

AVAILABLE TERMINATIONS

4, D

See fig.1, page F-42.

21 BCD 1-2-4-8; 10 POSITION

22 OCTAL 1-2-4; 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

AVAILABLE TERMINATIONS

0, 1, 3, A

Ħ	SIG COM	SIGNALS CONN. TO COMM. SIG. C								
E	1	2	4	8	С					
0					•					
1	•				lacksquare					
2	Г	•			•					
3	•	•			•					
4			•		•					
5	•		•		•					
6		•	•		•					
7	•	•	•		•					
8				•	•					
9	•			•	•					
	3	5	7	11	9					
	TER	TERM. LOCATION								

See fig.1, page F-42.

23 COMPLEMENT OF BCD 1-2-4-8; 10 POSITION

26 COMPLEMENT OF BCD 1-2-4-8; 10 POSITION

27 BCD 1-2-4-8; 10 POSITION

24 COMPLEMENT OF OCTAL 1-2-4; 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

AVAILABLE TERMINATIONS

0, 1, 3, A

AVAILABLE TERMINATIONS

6, B

AVAILABLE TERMINATIONS

6, B

Ħ	SIGNALS CONN. TO COMM, SIG. C									
E	ī	2	4	Ē	С					
٥	•	•	•	•	•					
1		•	•	•	•					
2	•		•	•	•					
3			•	•	•					
4	•	•		•	•					
5		•		•	•					
6	•			•	•					
7				•	•					
8	•	•	•		•					
9		•	•		•					
	3	9	11	5	7					
	TERM. LOCATION									

| H | Signature |

SIGNALS CONN. TO CONN

See fig.1, page F-42.

See fig.2, page F-42.

See fig.2, page F-42.

28 COMPLEMENT OF 9'S COMPLEMENT; 10 POSITION

29 BCD 1-2-4-8; 10 POSITION

31 BCD 1-2-4-8; 10 POSITION

32 OCTAL 1-2-4; 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

AVAILABLE TERMINATIONS

7, C

AVAILABLE TERMINATIONS

6. B

Ä	SIG	NAL M.	S C	ONIN .	TO					
E	1	2	4	8	С					
0	<u> </u>				•					
_1	•				•					
2		•			•					
3	•	•			•					
4			•		•					
5			•		$\overline{\bullet}$					
6		•	•							
7	•	•	•		•					
8				•	•					
9	•			•	•					
	2	3	4	5	1					
	TER	TERM. LOCATION								

AVAILABLE TERMINATIONS

0, 1, 3, 4, 5, A, D, E

HEE	SIGNALS CONN. TO COMM. SIG. C							
Ē	1	2	4	8	С			
0					•			
1	•				•			
2		•						
3	•	•			•			
4			•		◂			
5	•							
6		•	•		•			
7	•	•	•		•			
8				•	•			
9	•			•	•			
	2	3	11	9	θ			
	TER	H. I	.OC/	TIO	N			

See fig.2, page F-42.

2 1 5 4

See fig.2, page F-42.

See fig.1, page F-42.

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D 94E **3**760885 0004286 006 **5**

diagram, see page F-42

- 33 COMPLEMENT OF BCD 1-2-4-8; 10 POSITION
- 34 COMPLEMENT OF OCTAL 1-2-4; 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

35 BCD 1-2-4-8 W/ SEPARATE COMMON TO NOT TRUE BITS, 10 POSITION

41 BCD 1-2-4-8 W/ COMPLEMENT, 10 POSITION

42 OCTAL 1-2-4 W/ COMPLEMENT, 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

AVAILABLE TERMINATIONS

0, 1, 3, A

AVAILABLE TERMINATIONS

0, 1, 3, A

SIGNALS CONN. TO COMM. 51G.										
H E E L	1	2	4	8	T	2	4	8	С	
0					•	•	•	•	•	
1	•					•	•	•	•	
2	П	•			•		•	•	•	
3	•	•					•	•	•	
4	П		•		•	•		•	•	
5	•		•			•		•	•	
6	Π	•	•		•			•	•	
7	•	•	•					•	•	
8				•	•	•	•		•	
9	•			•		•	•		•	
	10	9	8	7	3	4	5	6	11	
			TER	RM.	LOC	ATIC	N			

See fig.1, page F-42.

AVAILABLE TERMINATIONS

1, 4, 5, A, D, E

H	SIGNALS CONN. TO											
E	T	2	4	8	c							
0	•	•	•	•	•							
1		•	•	•	•							
2			•	•	•							
3			•	•	•							
4	•	•		•	•							
5		•		•								
6	•			•	•							
7				•	•							
8	•	•	•		•							
9		•	•		•							
	2	3	11	9	В							
	TERM. LOCATION											

See fig.1, page F-42.

8 6 4 2 12 10 TERM, LOCATION

See fig.1, page F-42.

51 BCD 1-2-4-8 W/ COMPLEMENT, ONE COMMON, 10 POSITION

52 OCTAL 1-2-4 W/ COMPLEMENT, ONE COMMON, 8 POSITION (STOPPED BETWEEN 0-7 INCL.)

AVAILABLE TERMINATIONS

45 BCD 1-2-4-8; 10 POSITION

0.3

Ä	SIG	SIGNALS CONN. TO COMM. SIG. C									
±ww.	1	2	4	θ	С						
0					•						
1					•						
2		•			•						
3	•	•									
4			•								
5	•		•		•						
6		•	•		•						
7	•	•	•		•						
8				•	•						
9	•			•	•						
	5	6	7	8	9						
	TER	iM.	LOC	ATIC	×						

See fig.1, page F-42.

AVAILABLE TERMINATIONS 0, 1, 3, 4, 5, A, D, E

1	ğ.	516	NAL:	s cc	MN.	TO	CON	M.	516	. с	
	HEEL	-	2	4	8	٢	2	4	8	С	
Γ	0					•	•	•	•	•	
Γ	1	•					•	•	•	•	
Г	2		•			•		•	•	•	
Γ	3	•	•				I	•	•	•	
Γ	4			•		•	•		•	•	
Γ	5	•		•		Γ.	•		•	•	
Г	6		•	•		•			•	•	
Г	7	•	•	•	I				•	•	
Γ	8				•	•	•	•	L	•	
Г	9	•		Ι.	•		•	•		•	
ſ		5	4	3	2	10	9	8	7	6	
L		TERM. LOCATION									

See fig.1, page F-42.

58 SEVEN SEGMENT DECODER W/ BLANK AND BCD OUTPUT (TTL) SPECIAL BOARD, I.C. NOT SUPPLIED, CONSULT FACTORY

59 SEVEN SEGMENT DECODER (TTL) SPECIAL BOARD, I.C. NOT SUPPLIED, CONSULT FACTORY

AVAILABLE TERMINATIONS

F, H

H E E		SIGNALS CONNECT TO COMMON GROUND											
Ē	a	Ь	С	d	e	F	g	Gnd	/ec	1	2	4	8
0	•	•	•	•	•	•		•					
1		•	•					•		•			
2	•	•		•	•		•	•			•		
3	•	•	•	•			•	•		•	•		
4		•	•	-		•	•	•				•	
5	•		•	•		•	•	•		•		•	
6	•		•	•	•	•	•	•			•	•	
7	•	•	•					•		•		•	
8 .	•	•	•	•	•	•	•	•					•
9	•	•	•	•		•	•	•		•			•
	FOR TERMINAL LOCATIONS CONSULT C&K												

NOTE: Connections for RBO and RBI supplied.

D

AVAILABLE TERMINATIONS

G, J



Ħ		COMMON (C) CONNECTED TO TERMINAL INDICATED							
EEL	a	ь	С	d	•	f	g	Gnd	/cc
0	•	•	•	•	•	•		•	
1		•	•					•	
2	•	•		•	•		•	•	
3	۰	•	•	•				•	
4	T		•			•	•	•	
5	•		•	•		•	•	•	
6	•		•	•	•	•	•	•	
7	•	•	•					•	
В	•	•	•	•	•	•	•	•	
9	•	•	•	•		•	•	•	
	6	5	4	3	2	8	7	1	12
		TERM. LOCATION							

See fig.1, page F-42.

NOTE: IC not supplied, use decoder type 7446/7 or equivalent.

94E 📟 1760885 0004287 T42 📟

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F-35

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FUNCTION CODE -- CODE

For terminal location diagram, see page F-42.

SPDT REPEATING; PLUS (+) AND MINUS (-) ALTERNATING, 10 POSITION

70 COMPLEMENT OF BINARY CODED HEXADECIMAL W/ PARITY BIT, 16 POSITION 71 BINARY CODED HEXADECIMAL, 16 POSITION

AVAILABLE TERMINATIONS

0, 1, 3, 4, 5, A, D, E

AVAILABLE TERMINATIONS

0, 3

AVAILABLE TERMINATIONS

0, 1, 3, A

Ħ	SIG. CON					
Ë	+	-	c			
+	•		•			
-		•	•			
+	•		•			
- "		•	•			
+	•		•			
-		•	•			
+	•		•			
-		•				
+	•		•			
		•	•			
	9	8	2			
	TER	TERM. LOC				

See fig.1, page F-42.

Ħ		SI GN COMP	ALS I. S	COP IG.	ΨŅ.	TO			
HEEL	1	2	4	8	Р	C			
0	•	•	•	•	•	•			
1		•	•	•		•			
2	•		•	•		•			
3			•	•	•	•			
4	•	•		•		•			
5		•		•	•	•			
6	•			•	•	•			
7				•		•			
8	•	•	•	Ĭ		•			
9		•	•		•	•			
A	•		•		•	•			
В			•			•			
С	•				•	•			
D	П	•				•			
E	•					•			
F					•	•			
	3	5	7	11	1	9			
	TER	TERM. LOCATION							

See fig.1, page F-42.

	Ħ	CON	HAL	S 0	ONIN.	. TO			
	HEEL	1	2	4	8	С			
	0					•			
	1	•		Γ		•			
	2		•			•			
	3	•	•			•			
	4			•		•			
	5			•		•			
	6		•	•		•			
	7	•	•	•		•			
	8		[•	•			
	9	•			•	•			
	Α.		•		•	•			
	В	•	•		•				
	C			•	•	•			
	Đ			•	•	•			
	E		•	•	•	•			
i	F	•	•	•	•	•			
		3	5	7	11	9			
		TER	TERM. LOCATION						

See fig.1, page F-42.

W SIGNALS CONN. TO H COMM. SIG. C

72 BINARY CODED HEXADECIMAL, 16 POSITION

81 BCD 1-2-4-8; 10 POSITION

83 BINARY CODED HEXADECIMAL, 16 POSITION

AVAILABLE TERMINATIONS

6, B

AVAILABLE	TERMINATIONS

6, B

AVAILABLE TERMINATIONS

6. B

OFF	S10	SIGNALS CONN. TE					
Ē	1	2	4	В	•		
0	T		Π		•		
1	•	Г	L	Π	•		
2		•		Г			
3		•			•		
4	\Box		•		•		
5	•		•		•		
6		•	•		•		
7		•	•		•		
8	Г			•	•		
9	•			•	•		
A		•		•	•		
В		•		•	•		
С			•	•	•		
D	•		•	•	•		
E		•	•	•	•		
F	•	•	•	•	•		
	2	3	4	5	1		
	TER	TERM. LOCATION					

See fig.2, page F-42.

H	SIGNALS CONN. TO COMM. SIG. C						
E	1	2	4	8	С		
0					•		
1	•				•		
2		•	Г		•		
3	•	•			•		
4			•		•		
5	•		•		•		
6			•		•		
7	•	•	•		•		
8				•	•		
9	•			•	•		
	1	2	3	5	4		
	TERM. LOCATION						

See fig.2, page F-42.

	E	COPR1. 316. C						
	E	1	2	4	8	С		
	0	Ε.				•		
	1	•				•		
	2		•			•		
	3	•	•		L	•		
	4			•		•		
	5	•		•		•		
	6		•	•		•		
[7	•	•	•		•		
	8					•		
	9	•			•	•		
[•		•	•		
[В	٠	•		•	•		
[o			•	•	•		
[٥	•		•	•	•		
[Ε		•	•	•	•		
	F	•	•	٠	•	•		
		1	2	3	5	4		
L		TERM. LOCATION						

See fig.2, page F-42.

91 BLANK SECTION (INACTIVE)

92 BLANK SECTION W/ RIBBED CENTER (INACTIVE)

99 INTERMIXED SECTIONS, SPECIFY ON CONFIGURATION FORM, PAGE F-44 AND CONSULT FACTORY

AVAILABLE TERMINATIONS

AVAILABLE TERMINATIONS

AVAILABLE TERMINATIONS

CONSULT FACTORY.

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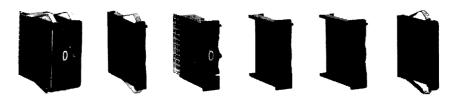
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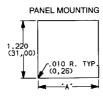


TYPE 0 SNAP-IN FRONT MOUNTING



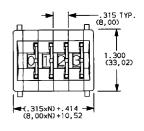
N = Number of sections

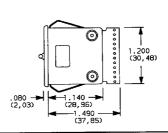
Recommended Panel Thickness: .046 - .125 (1,16 - 3,18)

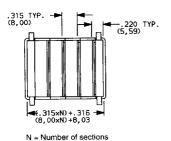


DIM. A	MOUNTING STYLE
(.315 x N) + .326 (8,0 x N) + (8,28)	00
(.394 x N) + .326 (10,0 x N) + (8,28)	03
(.500 x N) + .326 (12,7 x N) + (8,28)	04

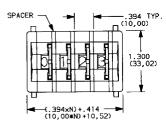
00 SWITCH ASSEMBLY W/ ENDPLATES --- .315 (8,00) SECTION PITCH

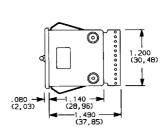


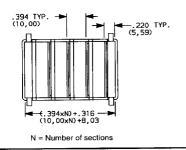




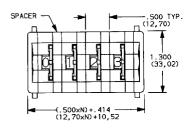
03 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) — 10mm SECTION PITCH

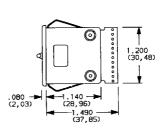


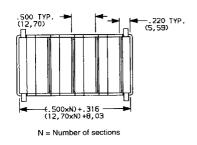




04 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) - .500 (12,70) SECTION PITCH







09

Switch section only—unassembled, without endplates or spacers (must be ordered with 0 number of sections, see page F-33).

NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see catalog section H.



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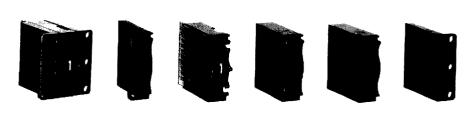
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94E 🖿 1760885 0004289 815 🖿

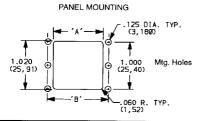
MOUNTING STYLE --- ---

TYPE 1 REAR MOUNTING



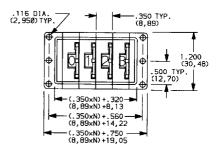
N = Number of sections

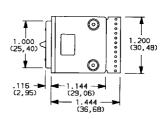
Recommended Panel Thickness: .046 - .125 (1,16 - 3,18)

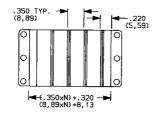


DIM. A	DIM. B	MOUNTING STYLE
(.350 x N) + .340 (8,89 x N) + (8,64)	(.350 x N) + .560 (8,89) x N) + (14,22)	10
(.500 x N) + .340 (12,7 x N) + (8,64)	(.500 x N) + .560 (12,7 x N) + (14,22)	14

10 SWITCH ASSEMBLY W/ ENDPLATES — .350 (8,89) SECTION PITCH

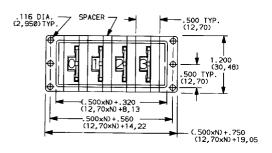


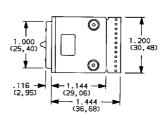


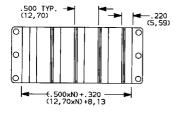


N = Number of sections

14 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) — .500 (12,70) SECTION PITCH







N = Number of sections

19

Switch section only—unassembled, without endplates or spacers (must be ordered with 0 number of sections, see page F-33).

NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see catalog section H.

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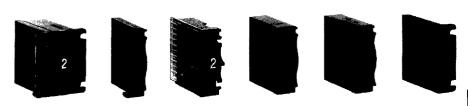
F-38

D 94E **1**760885 0004290 537 **1**



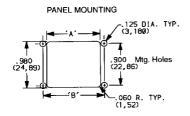
MOUNTING STYLE

TYPE 2 REAR MOUNTING



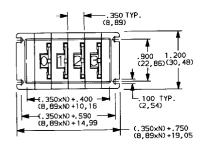
N = Number of sections

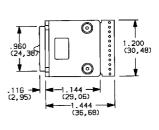
Recommended Panel Thickness: .046 – .125 (1,16 – 3,18)

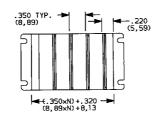


DIM. A	DIM. B	MOUNTING STYLE
(.350 x N) + .420 (8,89 x N) + (10,67)	(.350 x N) + .590 (8,89 x N) + (14,99)	20
(.500 x N) + .420 (12,7 x N) + (10,67)	(.500 x N) + .590 (12,7 x N) + (14,99)	24

20 SWITCH ASSEMBLY W/ ENDPLATES - .350 (8,89) SECTION PITCH

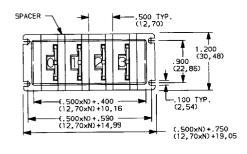


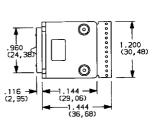


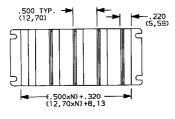


N = Number of sections

24 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) — .500 (12,70) SECTION PITCH







N = Number of sections

29

Switch section only—unassembled, without endplates or spacers (must be ordered with 0 number of sections, see page F-33).

NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see catalog section H.

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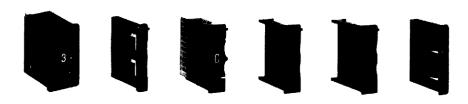
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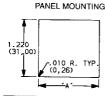
MOUNTING STYLE

TYPE 3 SNAP-IN FRONT MOUNTING



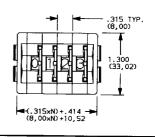
N = Number of sections

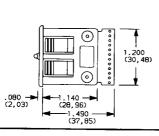
Recommended Panel Thickness: .046 – .125 (1,16 – 3,18)

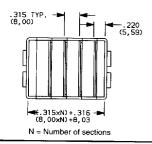


DIM. A	MOUNTING STYLE
(.315 x N) + .360 (8,0 x N) + (9,14)	30
(.394 x N) + .360 (10,0 x N) + (9,14)	33
(.500 x N) + .360 (12,7 x N) + (9,14)	34

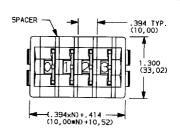
30 SWITCH ASSEMBLY W/ ENDPLATES — .315 (8,00) SECTION PITCH

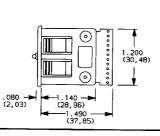


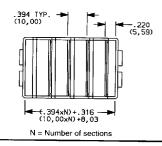




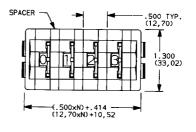
33 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) — 10mm SECTION PITCH

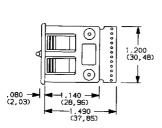


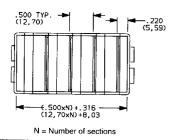




34 SWITCH ASSEMBLY W/ ENDPLATES AND SPACER(S) — .500 (12,70) SECTION PITCH







09

Switch section only—unassembled, without endplates or spacers (must be ordered with 0 number of sections, see page F-33).

NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see catalog section H.

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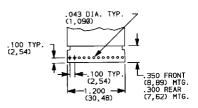
D 94E **1760885** 0004292 30T



TERMINATIONS ****

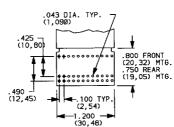
NOTE: All terminal holes shown may not be present for all function codes, consult factory.



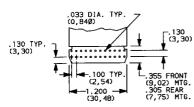


1

6



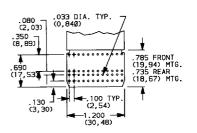
4

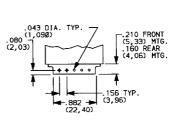


Signal traces cut except for common(s).

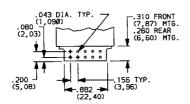
P.C. BOARD 1/32" (0,79) THK.

5





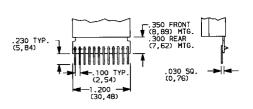
7



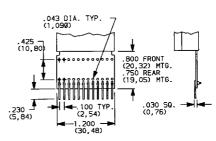
Signal traces cut except for common(s).

P.C. BOARD 1/32" (0,79) THK

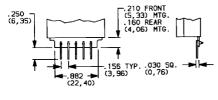
3 TYPE 0 WITH SOLDER PINS







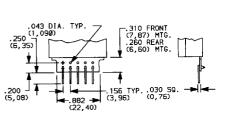
B TYPE 6 WITH SOLDER PINS



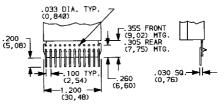
Signal traces cut except for common(s).

P.C. BOARD 1/32" (0,79) THK.

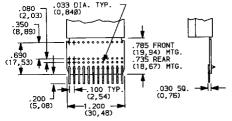
TYPE 7 WITH SOLDER PINS



D TYPE 4 WITH SOLDER PINS



E TYPE 5 WITH SOLDER PINS



Signal traces cut except for common(s).

P.C. BOARD 1/32" (0,79) THK.

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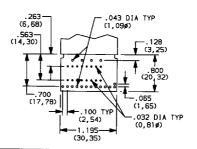
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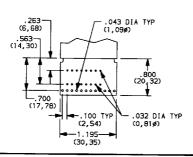
TERMINATIONS ****

NOTE: All terminal holes shown may not be present for all function codes.

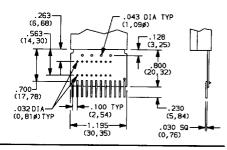
FOR 58 CODE ONLY



G FOR 59 CODE ONLY

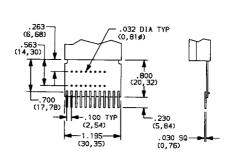


TYPE F WITH SOLDER PINS FOR 58 CODE ONLY

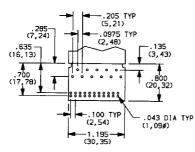


TYPE G WITH SOLDER PINS FOR 59 CODE ONLY

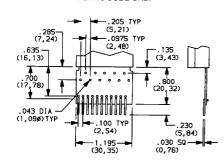
0



М FOR 13 CODE ONLY



U TYPE M WITH SOLDER PINS FOR 13 CODE ONLY



ANY COMBINATION OF TERMINATION CONFIGURATIONS OR SPECIAL TERMINATIONS. ALSO USED WITH FUNCTION CODES 91 AND 92.

CONNECTOR

SPECIFY ON CONFIGURATION FORM, PAGE F-44 AND CONSULT FACTORY.

TERMINAL CONNECTOR AVAILABLE FOR TERMINATION OPTIONS 0, 1, 4, 5, SEE CATALOG SECTION H.

TERMINAL LOCATION NUMBERS









Fig. 2

Fig. 1

See function codes, pages F-33 thru F-36, for signal locations.

COLOR/MARKING/STOPS

- (STD.) Matte black housing, Gloss black wheel with white characters; No stops.
- 1 Matte gray housing, Gloss black wheel with white characters; No stops.
- 5 Matte black housing, translucent off-white wheel with black characters; No stops (recommended with ILLUMINATION option)
- 6 Matte gray housing, translucent off-white wheel with black characters; No stops (recommended with ILLUMINATION option)
- 9 Special color or markings for housing or wheel, stops, specify on CONFIGURATION FORM, page F-44 and consult factory. AVAILABLE COLORS: MARKING - White, Black.

BODY - Black, Gray (matte finish).

WHEEL-White, Black, Red, Orange, Yellow,

Green, Blue, Brown, Gray (gloss finish).

Stop pins are available separately, see catalog section H.

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D

94E 📟 1760885 0004294 182 |

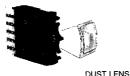
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COMPONENTS, INC. F-42



SEAL HELIPES :

- (STD.) Unsealed switching contacts. 0
- Sealed switching contacts. Sealing is by means of an o-ring rotary seal and a cured-in-place elastomer gasket. Switching contact area is protected from moisture, oil, and airborne contaminants.
- Dust lens. Protects the character face of the wheel from abrasion and dirt (recommended with ILLUMINATION option). 2
- Sealed switching contacts and dust lens. (Options 1 and 2 recommended with ILLUMINATION option). 3
- Sealing variations, section to section within assembly. Specify on CONFIGURATION FORM, page F-44 and consult factory. (Also specify with blank sections, where seal is not applicable).





(NONE) (STD.) No illumination

3 Red LED

5 Yellow LED

6 Green LED

> COLOR/MARKINGS/STOPS option 5, 6 and SEAL option 2, 3 recommended with ILLUMINATION option. NOTE: Illumination option not available with termination options with solder pins. Internal LED illuminates wheel character for low-light visibility.

HOW TO ORDER

All available 3 SERIES THUMBWHEEL SWITCH options are listed on page F-32, and are described on pages F-33 thru F-43. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Use CONFIGURATION FORM, page F-44, for special instructions.

Endplates, blank sections, spacers, and assembly hardware are available separately, see catalog section H.

SPECIFICATIONS

CONTACT RATING:

CARRY: 1 AMP continuous. SWITCH: 100 mA max.

OPERATING VOLTAGE: 50 mV to 28 V DC or 120 V AC.

ELECTRICAL LIFE: 105 detent operations between any two adjacent

positions @ 25°C.

CONTACT RESISTANCE: Below 100 milliohms typ. initial @ 2-4 V DC,

INSULATION RESISTANCE: 109 ohms min.

DIELECTRIC STRENGTH: 500 V RMS min. @ sea level between

common terminal and any output.

OPERATING TEMPERATURE: -10°C to 65°C.

MATERIALS

HOUSING: ABS plastic. THUMBWHEEL: ABS plastic.

ROTOR CONTACTS: Precious metal on copper alloy.

STATOR CONTACTS: Hard gold over nickel over copper on

epoxy fiberglass.

NOTE: Specifications and materials listed above are general specifications. Specifications available for specific and custom switches, consult factory.



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