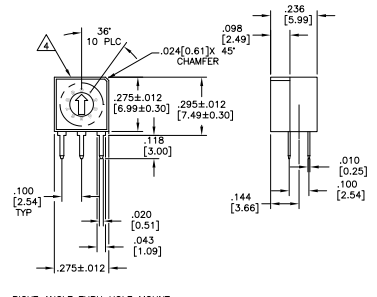
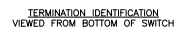
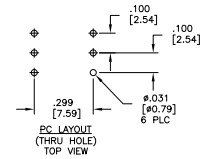
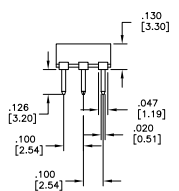
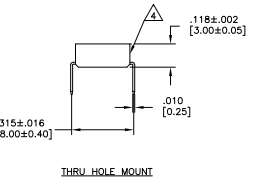
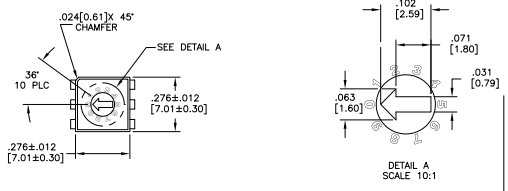
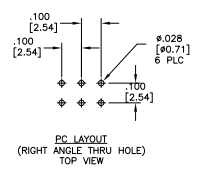


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 UNLESS INDICATED OTHERWISE
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REV	DATE	DESCRIPTION	BY	CHK	APP
AD	00				
B1		REVISED PER ECD-11-004917		11MM11	RK HMR



RIGHT ANGLE THRU HOLE MOUNT



PC LAYOUT (RIGHT ANGLE THRU HOLE) TOP VIEW

SPECIFICATIONS:

MATERIAL
 CASE & COVER, PPS, UL94V-0, BLACK
 ACTUATOR/ROTOR, PA66, UL94V-0, SEE P/N TABLE FOR COLOR
 FIXED CONTACT/TERMINAL, COPPER ALLOY-GOLD OVER NICKEL PLATE
 MOVING CONTACT, COPPER ALLOY-GOLD OVER NICKEL PLATE
 PLATE, STAINLESS STEEL
 SPRING, STAINLESS STEEL
 O-RING, RUBBER

ELECTRICAL
 MAX CONTACT RATING SWITCHING, 4VA @ 20 V AC OR DC
 MIN CONTACT RATING SWITCHING, 1MICROAMP @ 1 MILLIVOLT
 INITIAL CONTACT RESISTANCE, 100 MILLIOHMS MAX. @ 2V DC 10MILLIAMPER
 CONTACT RESISTANCE AFTER TEST, 500 MILLIOHMS MAX.
 INSULATION RESISTANCE, 1,000 MEGOHMS MIN. @ 250 VDC
 DIELECTRIC STRENGTH, 250 VAC RMS @ SEA LEVEL
 LIFE, 10,000 STEPS MIN. @ 5V DC 10MILLIAMPER

MECHANICAL
 OPERATING FORCE, 200 GF-CM MAX.
 MECHANICAL LIFE, 20,000 STEPS MIN., NO LOAD

ENVIRONMENTAL
 OPERATING TEMPERATURE, -30 TO +85 DEGREES C
 STORAGE TEMPERATURE, -45 TO +100 DEGREES C
 VIBRATION, PER EIA-364-280, CONDITION 1
 MECHANICAL SHOCK, PER EIA-364-27B, CONDITION A
 RESISTANCE TO SOLDER HEAT PER 109-202 CONDITION B (THRU-HOLE) & 109-201, CONDITION B (SURFACE MOUNT)
 SOLDERABILITY PER JIS-C-0050 & JIS-C-0053

NOTES:

1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
 2. TO BE SUPPLIED WITH ACTUATOR AT POSITION "7" FOR MRD10C & MRD10CS, POSITION "7" FOR MRD16C & MRD16CS AND POSITION "0" FOR ALL REMAINING MODELS
 3. TAPE & REEL PKG PER EIA 481 TAPE WIDTH 16mm, PITCH 16mm.
- △ LOCATE "ALCO" TRADE NAME AND LOT NUMBER ON THIS SURFACE. LOT NUMBER TO BE MARKED AS FOLLOWS:
 1ST DIGIT YEAR 2ND DIGIT MONTH

GREEN	MRD16RASTR04	2-1825013-4
WHITE	MRD16CASTR04	2-1825013-3
RED	MRD10RASTR04	2-1825013-2
ORANGE	MRD10CASTR04	2-1825013-1
GREEN	MRD16STR04	2-1825013-0
GREEN	MRD16S04	1-1825013-9
GREEN	MRD16RAS04	1-1825013-8
GREEN	MRD16RA04	1-1825013-7
WHITE	MRD16CSTR04	1-1825013-6
WHITE	MRD16CS04	1-1825013-5
WHITE	MRD16CRAS04	1-1825013-4
WHITE	MRD16CR04	1-1825013-3
WHITE	MRD16C04	1-1825013-2
GREEN	MRD1604	1-1825013-1
RED	MRD10STR04	1-1825013-0
RED	MRD10S04	1825013-9
RED	MRD10RAS04	1825013-8
RED	MRD10RA04	1825013-7
ORANGE	MRD10CSTR04	1825013-6
ORANGE	MRD10CS04	1825013-5
ORANGE	MRD10CRAS04	1825013-4
ORANGE	MRD10CRAD04	1825013-3
ORANGE	MRD10C04	1825013-2
RED	MRD1004	1825013-1
ROTOR COLOR	OLD T&B P/N	P/N

HOW TO ORDER: MRD- [] [] [] []

CIRCUIT TYPES:
 10 = BCD DECIMAL
 10C = BCD COMPLIMENT
 16 = HEXADECIMAL
 16C = HEXADECIMAL COMPLIMENT

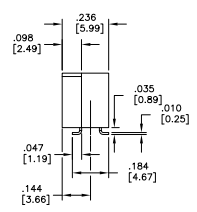
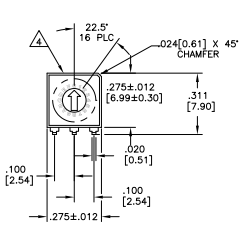
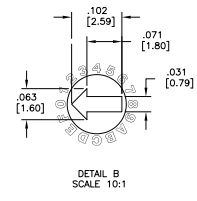
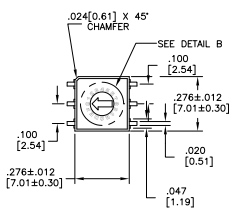
TERMINATIONS:
 BLANK = PC
 S = OUTSIDE L SURFACE MOUNT
 RA = RIGHT ANGLE

PACKAGING:
 TR = TAPE & REEL (SURFACE MOUNT ONLY SEE SHEET 3)

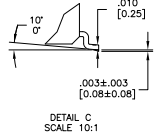
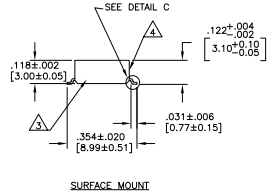
REVISIONS	DATE	DESCRIPTION	BY	CHK	APP
AD	00				
B1		REVISED PER ECD-11-004917		11MM11	RK HMR

REV	DATE	DESCRIPTION	BY	CHK	APP
AD	00				
B1		REVISED PER ECD-11-004917		11MM11	RK HMR

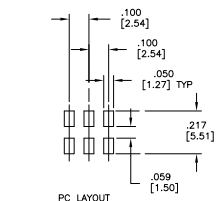
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B1		REVISED PER ECD-11-004917		11MM11	RK HMR



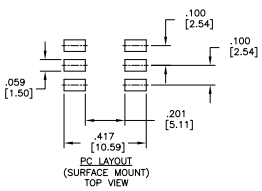
RIGHT ANGLE SURFACE MOUNT



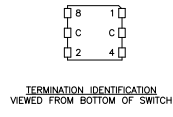
SURFACE MOUNT



PC LAYOUT (RIGHT ANGLE SURFACE MOUNT) TOP VIEW



PC LAYOUT (SURFACE MOUNT) TOP VIEW



TERMINATION IDENTIFICATION VIEWED FROM BOTTOM OF SWITCH

10 POSITION, BCD COMPLEMENT										
POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X

10 POSITION, BCD										
POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X

16 POSITION, HEXADECIMAL																
POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

16 POSITION, HEXADECIMAL COMPLEMENT																
POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

COLOR CODE		
CIRCUIT TYPE	ACTUATOR	COLOR
10		RED
10C		ORANGE
16		GREEN
16C		WHITE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DESIGNED BY	DESIGNED BY	DATE	DATE	DATE	DATE
DRAWN BY	DRAWN BY	DATE	DATE	DATE	DATE
CHECKED BY	CHECKED BY	DATE	DATE	DATE	DATE
APPROVED BY	APPROVED BY	DATE	DATE	DATE	DATE

MTD SERIES 7MM ROTARY DP SWITCH

SIZE: A1 | DATE: 00779 | DRAWING NO: 1825013

CUSTOMER DRAWING | SHEET: 4.1 | OF: 2 | REV: B1