

Recom Rotary Switches

of wiping contacts design
suitable for
AC & DC application in
2, 4, 6, 8 & 12 positions
5, 10, 16, 25, 32, 40, 63 & 125 Amps.
at 440V. AC & DC

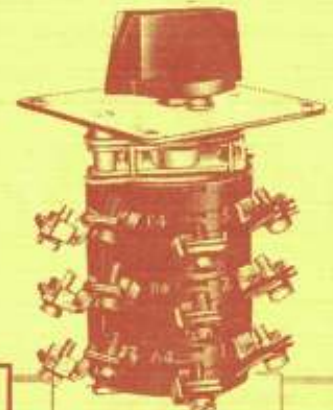
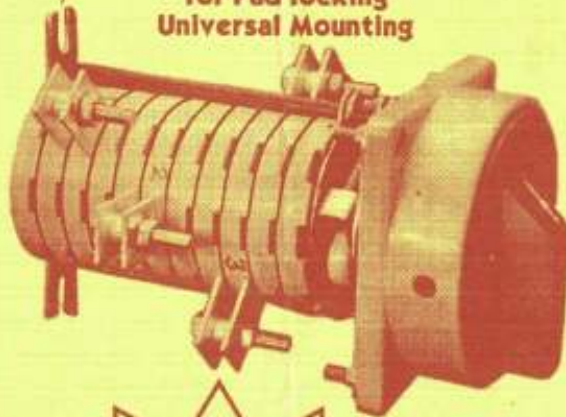
Conforms to IS 13947 (Part 3) : 1993
IEC PUB. 947 - 3 (1990)
Superseding IS 4064 (Part 1)
Utilization Category AC - 22A

- ★ A. C. Switches are with Slow Breaker & Quick make mechanism.
- ★ D. C. Switches are with quick make quick and Break mechanism



Small Frame
2, 4, 6 & 8
Posi. DC

125 Amps. 3 Pole off/on Rotary Switch with Recessed yellow cup & Red Toggle Knob for Pad locking Universal Mounting



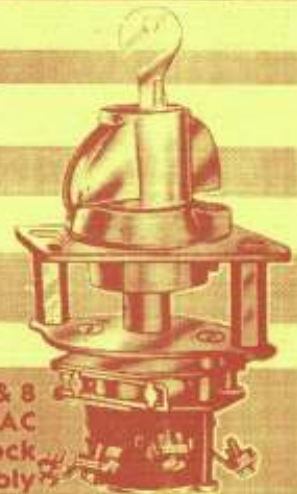
Large Frame
2, 4, 6 & 8
Posi. AC



Large Frame
2, 4, 6 & 8
Posi. DC

Tested & Certified by Short Circuit Testing Lab at C.P.R.I to AC-22A UTLN. Category

Small Frame 2, 4, 6 & 8 posi. AC fitted with Tee Lock Assembly



12 Posi. Large Frame AC

Conform to Defence Specification



12 Posi. Small Frame AC

★ ALL A. C. SWITCHES ARE SUITABLE FOR D. C. UPTO 28 V RES.

GENERAL

RECOM range of Rotary Switches incorporate wiping contact design concept to meet reliable standards for arduous industrial applications. These are basically designed for manual operation and essentially recommended for ON-LOAD switching of resistive and inductive circuits. This design permits infinite combination of circuits, variety of attachments and accessories to meet any standard & non-standard specification. RECOM Rotary Switches are widely used for isolation, selection, control and auxiliary switching, in Control Panels, Switch Boards, Cubicles, Control Desks, Motor Control Centres, Machine Tools, electrical equipments etc.

CONSTRUCTION :

Based on packet principle, switches incorporate air-break type wiping contacts operating on rotary action thus making and breaking the required circuit between fixed and moving contacts, manufactured out of specially selected contact materials and housed in anti-tracking quality moulded packets. Moving Contacts are operated through an insulated spindle by means of a positive indexing mechanism, while Fixed Contacts are positioned in the packets. This complete assembly of Contacts and Mechanism is manually rotated with suitable handle.

MECHANISM

Rotary Switches are manufactured with 2 Two Types of Mechanisms a) Quick Make/Slow Break action for AC circuits b) Quick Make/Quick Break action for DC circuits which is independent of the action of the operator.

SPECIFICATION :

RECOM Rotary Switches comply with IS 13947 (Pt 3):1993 utin. cat. AC-22A ISS 4064 Pt. 1-1978, IEC 408 & Defence Specification JSS 51208, RCS 156.

H.V. Test :

Each switch is tested to withstand H. V. test of 2.5 KV for one minute.

TEMPERATURE :

Switches are recommended to be used under temperatures upto 50°C Ambient.

GUARANTEE :

Each RECOM Switch carry with it a guarantee against manufacturing defects and faulty workmanship for a period of 12 months from the date of purchase.

ROTARY SWITCHES 4 POSITION 90° 250-440V AC PANEL MOUNTING

POLES	SWITCHING SEQUENCE	10 AMP	DIM L	16 AMP	DIM L	25 AMP	DIM L	40 AMP	DIM L	63 AMP	DIM L
1	OFF-ON	—	—	PA2116	38	PA3125	44	PA2140	53	PA3163	63
2		—	—	PA3216	44	PA5225	56	PA3240	63	PA5263	84
3		PA4310	50	PA4316	70	PA7325	94	PA4340	74	PA7363	104
4		PA5410	56	PA5416	78	PA9425	110	PA5440	84	PA9463	125
1	2 WAY	—	—	PA3116A	44	PA3125A	44	PA3140A	63	PA3163A	63
2		—	—	PA5216A	56	PA5225A	56	PA5240A	84	PA5263A	84
3		PA7310A	68	PA7316A	94	PA7325A	94	PA7340A	104	PA7363A	104
4		PA9410A	80	PA9416A	110	PA9425A	110	PA9440A	125	PA9463A	125
1	2 WAY + OFF	—	—	PA3116B	44	PA5125B	56	PA3140B	63	PA5163B	84
2		—	—	PA5216B	56	PA9225B	80	PA5240B	84	PA9263B	125
3		PA7310B	68	PA7316B	94	PA13325B	142	PA7340B	104	PA13363B	166
4		PA9410B	80	PA9416B	110	—	—	PA9440B	125	PA17463B	207
1	3 WAY + OFF	—	—	PA3116C	44	PA5125C	56	PA3140C	63	PA5163C	84
2		—	—	PA6216C	62	PA9225C	80	PA6240C	94	PA9263C	125
3		PA9310C	80	PA9316C	110	PA13325C	142	PA9340C	125	PA13363C	166
4		PA12410C	98	PA12416C	134	—	—	PA12440C	155	PA17463C	207
1	4 WAY	—	—	PA3116D	44	PA5125D	56	PA3140D	63	PA5163D	84
2		—	—	PA6216D	62	PA9225D	80	PA6240D	94	PA9263D	125
3		PA9310D	80	PA9316D	110	PA13325D	142	PA9340D	125	PA13363D	166
4		PA12410D	98	PA12416D	134	—	—	PA12440D	155	PA17463D	207

ROTARY SWITCHES 4 POSITION 90° 250-440V AC/DC PANEL MOUNTING

POLES	SWITCHING SEQUENCE	10 AMP	DIM L	16 AMP	DIM L	25 AMP	DIM L	40 AMP	DIM L	63 AMP	DIM L
1	OFF-ON	—	—	PD2116	51	PD3125	57	PD2140	61	PD3163	71
2		—	—	PD3216	57	PD5225	69	PD3240	71	PD5263	92
3		PD4310	63	PD4316	83	PD8325/LM	116	PD4340	82	PD7363	112
4		PD5410	69	PD5416	91	PD10425/LM	132	PD5440	92	PD9463	133
1	2 WAY	—	—	PD3116A	57	PD3125A	57	PD3140A	71	PD3163A	71
2		—	—	PD5216A	69	PD5225A	69	PD5240A	92	PD5263A	92
3		PD8310A/LM	88	PD8316A/LM	116	PD8325A/LM	116	PD7340A	112	PD7363A	112
4		PD10410A/LM	100	PD10416A/LM	132	PD10425A/LM	132	PD9440A	133	PD9463A	133
1	2 WAY + OFF	—	—	PD3116B	57	PD5125B	69	PD3140B	71	PD5163B	92
2		—	—	PD5216B	69	PD10225B/LM	100	PD5204B	92	PD9263B	133
3		PD8310B/LM	88	PD8316B/LM	116	PD14325B/LM	164	PD7340B	112	PD13363B	174
4		PD10410B/LM	100	PD10416B/LM	132	—	—	PD9440B	133	—	—
1	3 WAY + OFF	—	—	PD3116C	57	PD5125C	69	PD3140C	71	PD5163C	92
2		—	—	PD7216C/LM	75	PD10225C/LM	100	PD6240C	102	PD9263C	133
3		PD10310C/LM	100	PD10316C/LM	132	PD14325C/LM	164	PD9340C	133	PD13363C	174
4		PD13410C/LM	118	PD13416C/LM	156	—	—	PD12440C	163	—	—
1	4 WAY	—	—	PD3116D	57	PD5125D	69	PD3140D	71	PD5163D	92
2		—	—	PD7216D/LM	75	PD10225D/LM	100	PD6240D	102	PD9263D	133
3		PD10310D/LM	100	PD10316D/LM	132	PD14325D/LM	164	PD9340D	133	PD13363D	174
4		PD13410D/LM	118	PD13416D/LM	156	—	—	PD12440D	163	—	—

ALSO AVAILABLE 125 AMPS ROTARY SWITCHES FOR ON-OFF, 2 WAY, CHANGEOVER CENTRE OFF SWITCHING SEQUENCES IN MULTI POLES WITH UNIVERSAL MOUNTING. DETAILS ON REQUEST. ABOVE RANGE A. C. SWITCHES ARE ALSO SUITABLE FOR D. C. UPTO 28 V RES.

125 A 4 POSN. 90° 250-440V. AC ONLY PANEL & UNIVERSAL MOUNTING

POLES	SW. SEQ.	SWITCH CODE	DIM L	SW. SEQ.	SWITCH CODE	DIM L	SW. SEQ.	SWITCH CODE	DIM L
1	OFF-ON	PA51 125	84	CHANGE OVER	PA 51 125 A	84	CHANGE OVER	PA71 125 B	94
10	OFF-ON	PA99 125	115	NO OFF	PA 99 125 A	115	WITH OFF	PA 122 125 B	155
3		XA113 125	195		XA 113 125 A	195		XA173 125' B	205

125 A 4 POSN. 90° 250-440V. AC/DC PANEL & UNIVERSAL MOUNTING

POLES	SW. SEQ.	SWITCH CODE	DIM L	SW. SEQ.	SWITCH CODE	DIM L	SW. SEQ.	SWITCH CODE	DIM L
1	OFF-ON	PD51 125	92	CHANGE OVER	PD 51 125 A	92	CHANGE OVER	PD71 125 B	112
10	OFF-ON	PD99 125	122	NO OFF	PD 99 125 A	123	WITH OFF	PD122 125 B	153
3		XD113 125	154		XD 113 125 A	154		XD173 125 B	215

6 POSITION 60° AC ONLY PANEL MOUNTING

POLES	SW. SEQ.	10 AMP	DIM L	20 AMP	DIM L	32 AMP	DIM L	63 AMP	DIM L
1	5 WAY + OFF	PA4110EO	58	PA7220EO	82	PA4132EO	74	PA7163EO	105
10		PA8210EO	90	PA14220EO	140	PA8232EO	115	PA14263EO	176
3		PA12310EO	124	PA2132EO/P	208	PA12332EO	156	PA21363EO/P	256
1	6 WAY	PA4110F	58	PA7120F	82	PA4132F	74	PA7163F	105
10		PA8210F	90	PA14220F	140	PA8232F	115	PA14263F	176
3		PA12310F	124	PA21320F/P	208	PA12332F	156	PA21363F/P	256

ROTARY SWITCHES 6 POSITION 60° AC/DC PANEL MOUNTING

POLES	SW. SEQ.	10 AMP	DIM L	20 AMP	DIM L	32 AMP	DIM L	63 AMP	DIM L
1	5 WAY + OFF	PD4110EO	58	PD7220EO	82	PD4132EO	74	PD7163EO	105
10		PDB210EO	90	PD14220EO	140	PDB232EO	115	PD14263EO	176
3		PD12310EO	124	PD2132EO/P	208	PD12332EO	156	PD21363EO/P	256
1	6 WAY	PD4110F	58	PD7120F	82	PD4132F	74	PD7163F	105
10		PDB210F	90	PD14220F	140	PDB232F	115	PD14263F	176
3		PD12310F	124	PD21320F/P	208	PD12332F	156	PD21363F/P	256

ROTARY SWITCHES 8 POSITION 45° AC ONLY PANEL MOUNTING

POLES	SW. SEQ.	10 AMP	DIM L	20 AMP	DIM L	32 AMP	DIM L	63 AMP	DIM L
1	7 WAY + OFF	PA5110GO	66	PA9120GO	98	PA5132GO	84	PA9163GO	125
10		PA9210GO	98	PA17220GO/P	174	PA9232GO	125	PA17263GO/P	206
3		PA13310GO	132	PA25320GO/P	240	PA13332GO	166	PA25363H/P	296
1	8 WAY	PA5110H	66	PA9120H	98	PA5132H	84	PA9163H	125
10		PA9210H	98	PA17220H/P	174	PA9232H	125	PA17263H/P	207
3		PA13310H	132	PA25320H/P	240	PA13332H	166	PA25363H/P	296

ROTARY SWITCHES 8 POSITION 45° AC/DC PANEL MOUNTING

POLES	SW. SEQ.	10 AMP	DIM L	20 AMP	DIM L	32 AMP	DIM L	63 AMP	DIM L
1	7 WAY + OFF	PD5110GO	66	PD9120GO	98	PD5132GO	84	PD9163GO	125
10		PD9210GO	98	PD17220GO/P	174	PD9232GO	125	PD17263GO/P	206
3		PD13310GO	132	PD25320GO/P	240	PD13332GO	166	PD25363H/P	296
1	8 WAY	PD5110H	66	PD9120H	98	PD5132H	84	PD9163H	125
10		PD9210H	98	PD17220H/P	174	PD9232H	125	PD17263H/P	207
3		PD13310H	132	PD25320H/P	240	PD13332H	166	PD25363H/P	296

ROTARY SWITCHES 12 POSITION 30° AC ONLY PANEL MOUNTING

POLES	SW. SEQ.	5 AMP	DIM L	10 AMP	DIM L	16 AMP	DIM L	25 AMP	DIM L
1	11 WAY + OFF	PA315LO	50	PA5110LO	66	PA3116LO	64	PA5125LO	84
2		PA525LO	66	PA9210LO	98	PA5216LO	84	PA9225LO	125
1	12 WAY	PA315M	50	PA5110M	66	PA3116M	64	PA5125M	84
2		PA525M	66	PA9210M	98	PA5216M	84	PA9225M	125



INDICATING PLATES

Black Background White Letters



Size 50 x 50mm. Sq. for 10-16-20 Amp. 4-6-8 & 12 Position Switches



Size 75 x 75mm. Sq. for 10-16-20-25 Amp. 4-6-8 Position Switches



Size 95 x 95mm. Sq. for 32-40-63 & 125 Amp. 4-6-8 Position & Large Mechanism Switches



Size 95 x 95mm. Sq. with 36 Ø Hole for 10 to 125 Amp. Switches with Locks & Interlocks

TYPICAL ILLUSTRATIONS



125 Amp. Rotary Switch Universal Mounting



Door Interlock (D)



Panel Mounting (P)

Centre Key Lock (CKL) Lever & Tee Type



Large Mechanism Pistol Grip Handle (M)



5 Amp. AC Small Frame 12 Pos. Rotary Switch



16 Amps. AC Large Frame 12 Pos. Rotary Switch

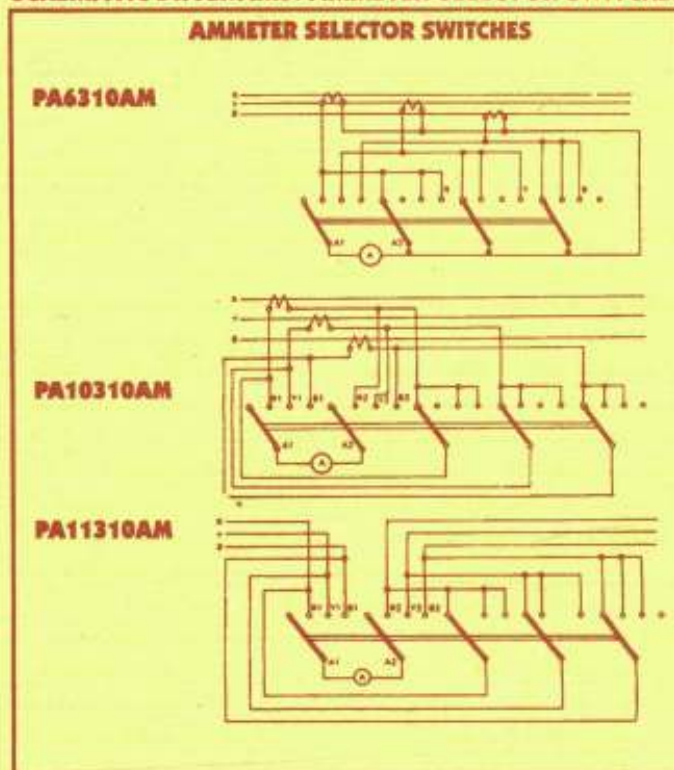
★ 125 A 3 Way-Off & 4 Way No - Off Switches Available on request.



AMMETER SELECTOR SWITCHES

Legend Plate 75x75mm	Switching Function To read by means of a Single Ammeter	Type	Dim L
	Current through CT's in each Phase with OFF 4 Position 90°	PA6310AM1	62
	Current through CT's in each Phase with OFF 4 Position 90°	PA10310AM2	86
	Current through CT's in each Phase with OFF 4 Position 90°	PA11310AM3	92
	Current through CT's in each Phase with an alternate OFF between 2 Phases. 6 Position 60°	PA6310AM7	62
	Current through CT's in each of 3 Phases, Neutral and out of Balance or Leakage Current with OFF 6 Position 60°	PA10510AM9	86

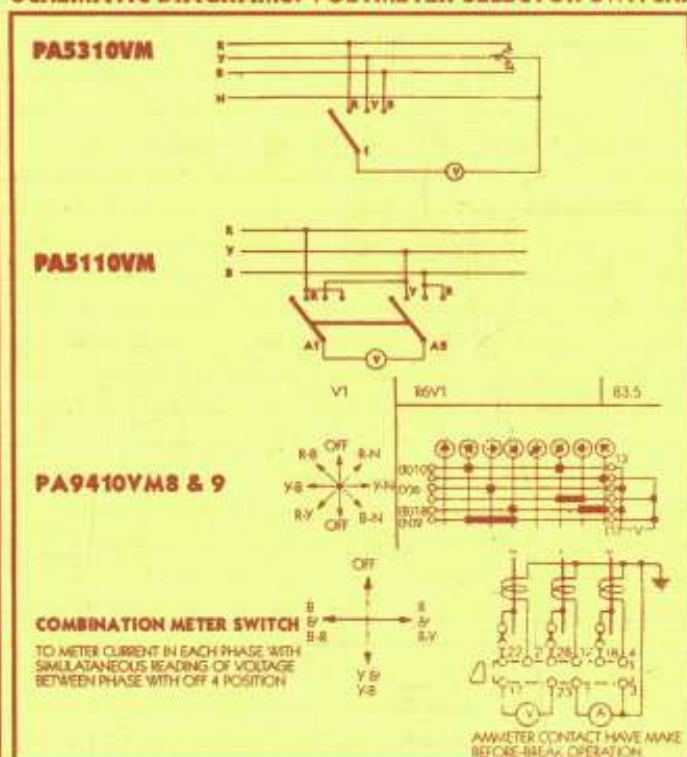
SCHEMATIC DIAGRAMS: AMMETER SELECTOR SWITCHES



VOLTMETER SELECTOR SWITCHES

Legend Plate 75x75mm	Switching Function To read by means of a Single Voltmeter	Type	Dim L
	Voltage between Phase with OFF 4 Position 90°	PA5310VM1	56
	Voltage between each Phase and Neutral with OFF 4 Position 90°	PA5110VM2	56
	Voltage between Phases and between each Phase and Neutral without OFF 6 Position 60°	PA7410VM6	68
	Voltage between Phases and between each Phase and Neutral with OFF 7 Position 45°	PA9410VM8	80
	Voltage between Phases and between each Phase and Neutral with 2 OFFs 8 Position 45°	PA9410VM9	80

SCHEMATIC DIAGRAMS: VOLTMETER SELECTOR SWITCHES

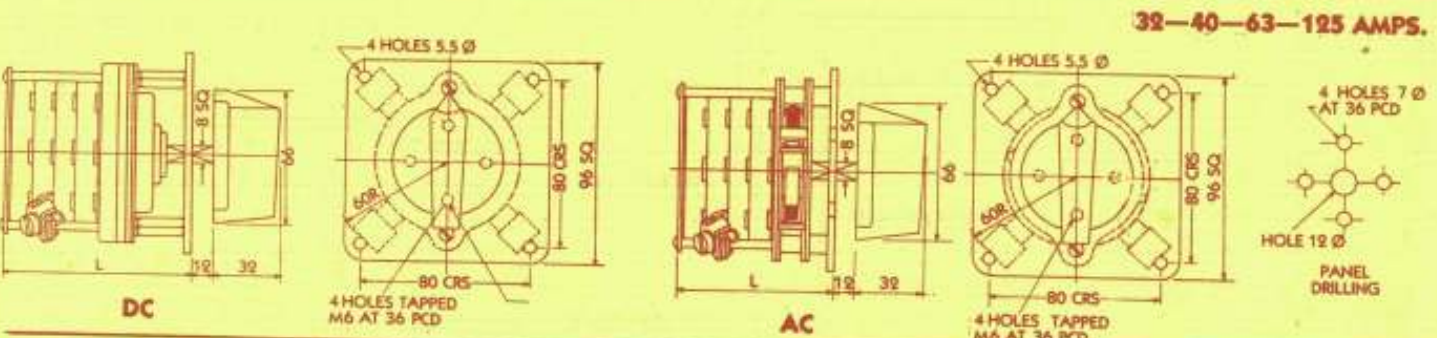
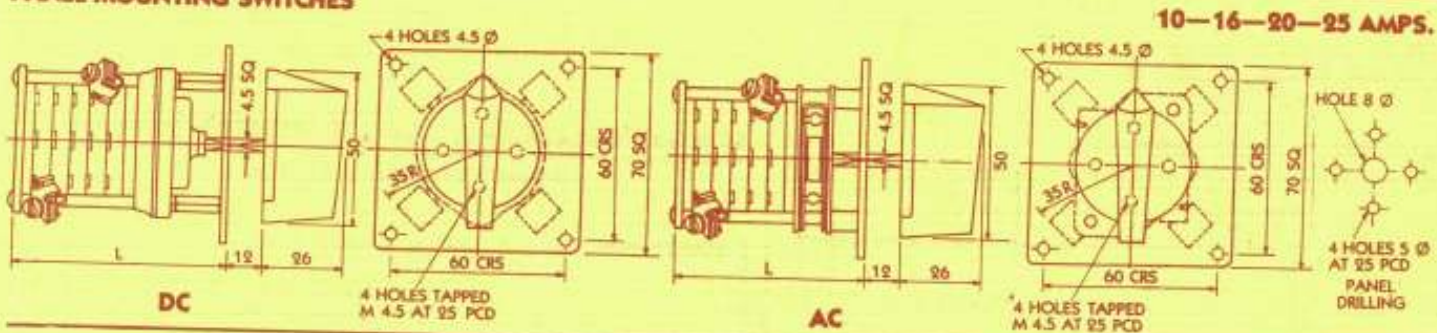


★ Combined Ammeter & Voltmeter Selector Switches are also available in 4, 6 & 8 Posns

★ Non Standard, Tyler made Ammeter & Voltmeter Switches are offered against specific requirement.

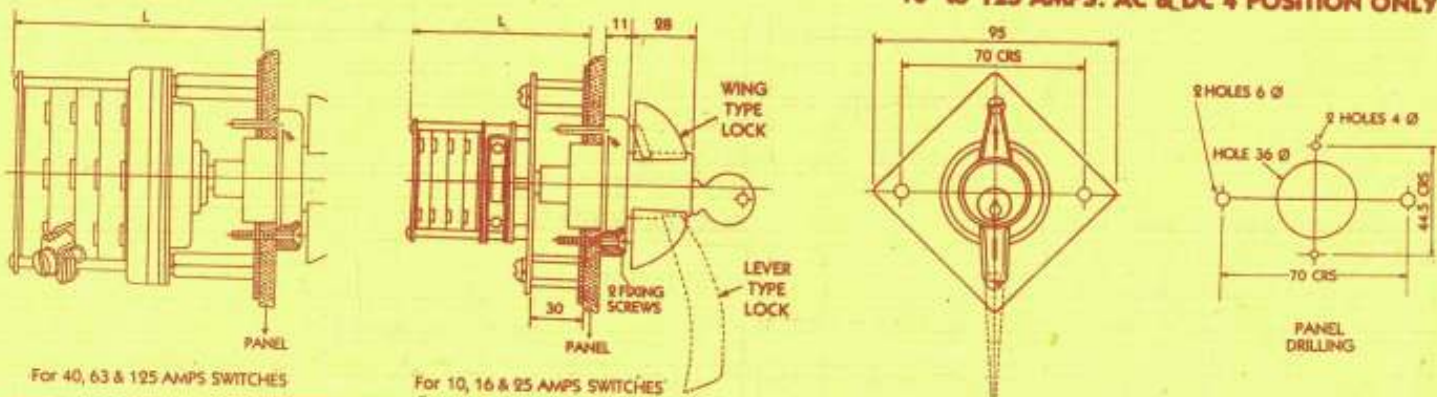
DIMENSIONS

PANEL MOUNTING SWITCHES



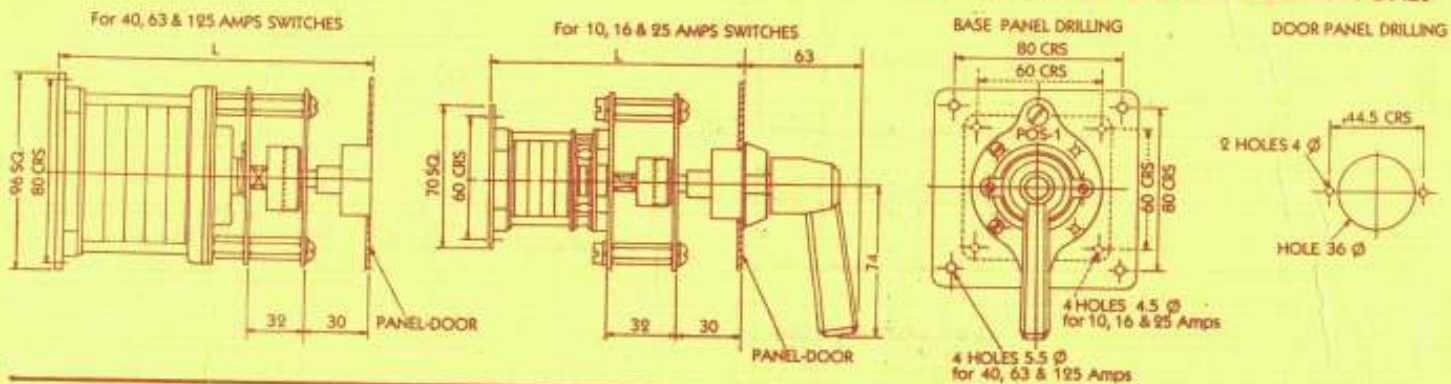
CENTRE KEY LOCK SWITCHES

10 to 125 AMPS. AC & DC 4 POSITION ONLY



DOOR INTER LOCK SWITCH

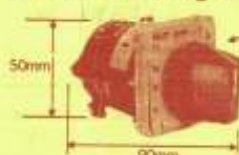
10 to 125 AMPS. AC & DC 4 POSITION ONLY



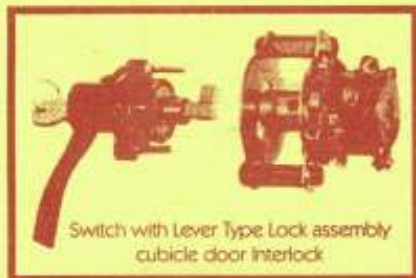
Large Frame 16 & 25 Amp. 12 Posn. 30° Indexing A. C. Switch



Small Frame 5 & 10 Amp. 12 Posn. 30° Indexing A. C. Switch



50x50mm Execution with the Legends printed in each posn



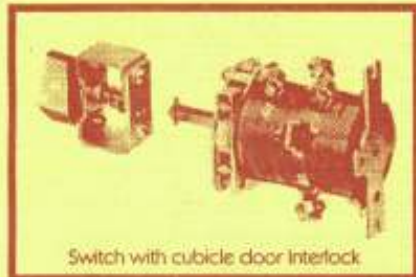
Switch with Lever Type Lock assembly cubicle door interlock



Large A. C. mechanism on small switch with support bolts



A. C. only switch with revertible mechanism



Switch with cubicle door interlock



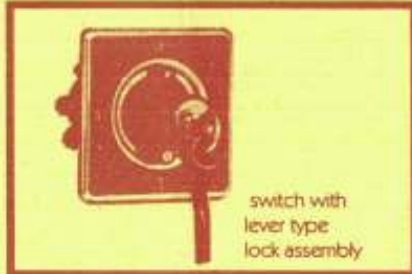
Large D. C. mechanism on small switch with support bolts



Switch with pinch screw terminals



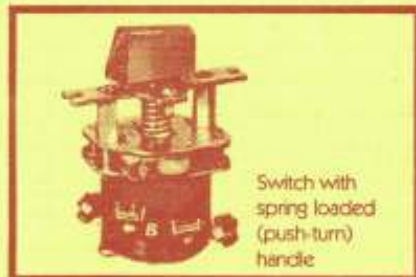
Switch with removable handle



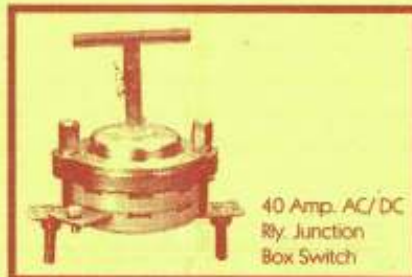
switch with lever type lock assembly



Switch with lock in escutcheon plate



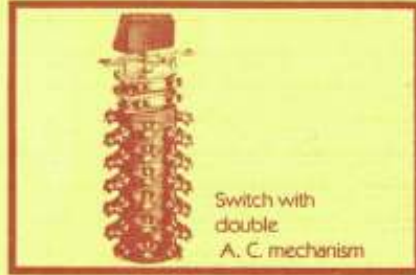
Switch with spring loaded (push-turn) handle



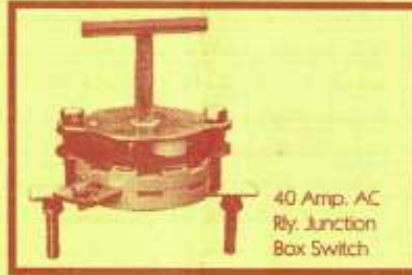
40 Amp. AC/DC Rly. Junction Box Switch



Switch with locked handle



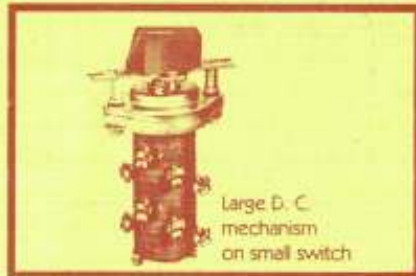
Switch with double A. C. mechanism



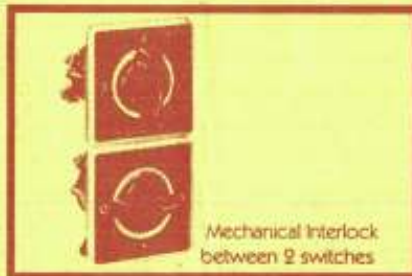
40 Amp. AC Rly. Junction Box Switch



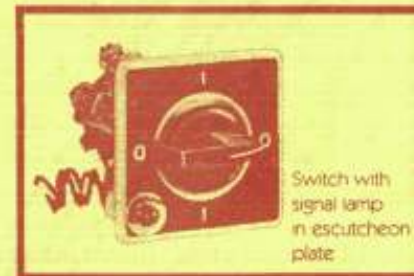
Switch with watertight spindle gland



Large D. C. mechanism on small switch



Mechanical interlock between 2 switches



Switch with signal lamp in escutcheon plate



REVERTIBLE MECHANISM "RM" SWITCHES FOR AC & DC APPLICATION

suitable for Breaker Control with lost motion (Bell alarm) contacts & sequence locking Device., Fitted with Pistol Grip Handle or lockable lever handle. Both side spring Return, 90° movement

PISTOL GRIP HANDLE



**95x95mm Embossed Ind. Plate
Large DC 7.5/110 V or 2.5A/250V**

LEVER HANDLE



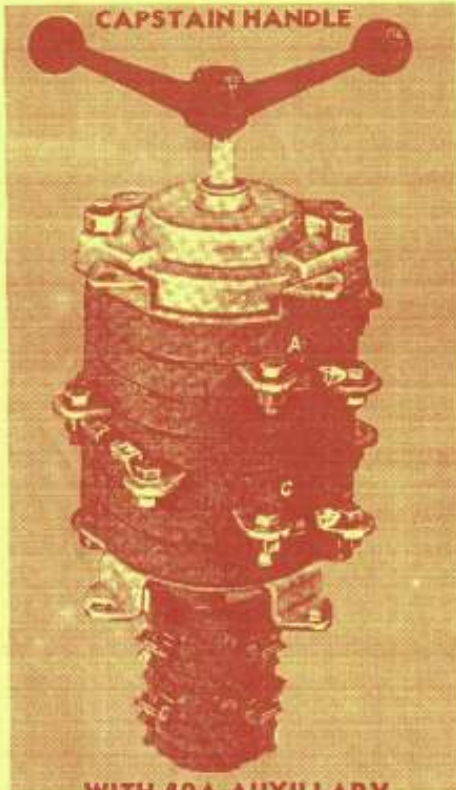
**75x75mm Embossed Ind. Plate Base Mounting
Small DC 3A/110 V or 1A/250 V Small DC 16A/250 V**

EE TYPE HANDLE



Available in 90 throw on either side of centre posi. in different switching sequences at TRIP - NUETRAL - CLOSE positions.

CAPSTAIN HANDLE



**WITH 40A AUXILLARY
CONTACTS SWITCH**

**200/1000 Amps.
Heavy Duty
AC/DC
Rotary Switches
(Under
Development)**

**LEVER
HANDLE**



UNIVERSAL MOUNTING

RELIABLE ELECTRONIC COMP. PVT. LTD.

Representatives, Dealers & Stockists
located at principal cities of India.
Details of their Name, Address,
Telephone nos. etc., available on request.