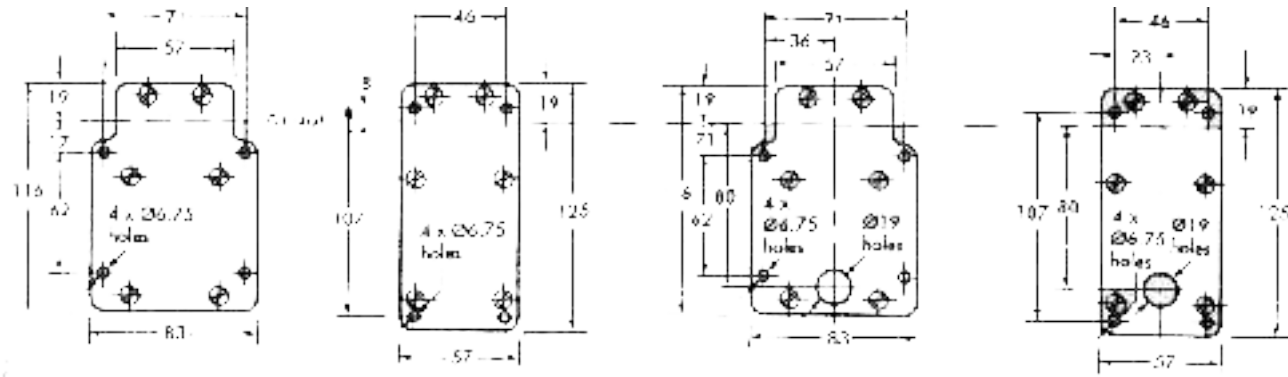


JC - 1125

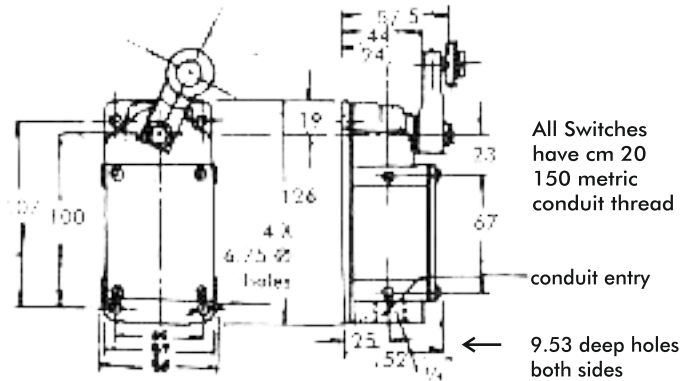
APPROXIMATE DIMENSIONS NOT FOR CONSTRUCTION (DIMENSIONS IN M.M.)

Back mounting plates

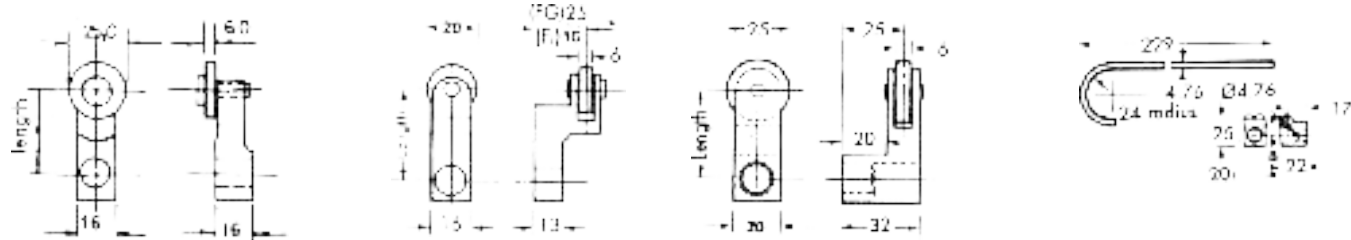
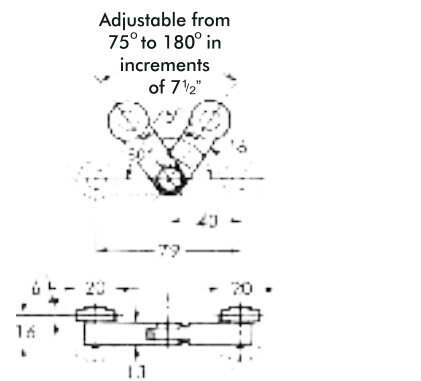


Switch

Switch : Shown lifted with standard style mounting plate



Levers



MANUFACTURED BY :

JAIBALAJI
CONTROL GEARS PVT. LTD

POST BOX NO. 27
89, (NEW NO:107), SIDCO INDUSTRIAL ESTATE
AMBATTUR, CHENNAI - 600 098.
PHONE : 26251279, 26257859, 26254469
FAX : 044-26255038.
E-MAIL : dchandramohan@jaibalaji.firm.in



JAIBALAJI

JC-1125 HEAVY DUTY LIMIT SWITCHES

CONFORMS TO IS : 13947/PT5/SEC 1 OF 2004

- TWENTY-FIVE CIRCUIT OPTIONS
- 25 A 600 V A.C. OR D.C.
- 70° OVERTRAVEL IN BOTH DIRECTIONS
- IP 67 PROTECTION
- OPERATES UP TO 107° C
- IDEAL FOR APPLICATION REQUIRING EXTRA HEAVY INDUSTRIAL DUTY CONTACT RATINGS
- HIGHER OPERATING AND RESET FORCES
- RUGGED MECHANICAL CONSTRUCTION
- WILL WITHSTAND HOT FALLING SAND UPTO 300° F
- FOR ROUGH FOUNDRY APPLICATIONS AND HEAVY MACHINE TOOL, CONVEYOR, MILLS, FOUNDRIES, HEAVY BOILERS.
- ACTUATION MODE CONVERSION FACILITY FOR LEFT-HEND, RIGHT-HAND OR MAINTAINED CONTACT ACTION. PLUS A COMPREHENSIVE SELECTION OF OPERATING LEVERS.



Model JC-1125 heavy industrial duty limit switch providing twenty five switching arrangements from eleven standard types Actuation mode conversion facility for left-hand, right-hand or maintained contact action. Rating up to 25 A lth 600 V. a.c. or d.c. plus a comprehensive selection of operating levers.

Eleven standard switch types can be converted on site to provide for a total of twentyfive contact or circuit arrangements (as shown below).

Ordering reference model	contact arrangement (arrow indicated direction of lever movement)	Standard model conversion required	Operating data (refer to table, above)	Switch description (viewed from the front of switch).
JC - 1125 BMK 9	(1)	As supplied	Data A	Snap action, Spring return Contacts: 1 n.c., 1 n.o. CW operation to 1 n.o. 1 n.c.
	(2)	Revers return spring	Data A	Snap action, Spring return Contacts: 1 n.o., 1 n.c. CCW operation to 1 n.c. 1 n.o.
	(3)	Remove return spring	Data A and Note 2 above	Stay-put action Contacts: CCW position 1 n.c. 1 n.o. or CW operation to 1 n.o. 1 n.c.
JC - 1125 BMK 18	(4)	As supplied	Data A	Snap action, Spring return Contacts: 2 n.o. CW operation to 2 n.c.
	(5)	Revers return spring	Data A	Snap action, Spring return Contacts: 2 n.c. CCW operation to 2 n.o.
	(6)	Remove return spring	Data A and Note 2 above	Stay-put action Contacts: CCW position 2 n.o. or CW operation to 2 n.c.
JC 1125 BMK 27	(7)	As supplied	Data A	Snap action, Spring return Contacts 2 n.o. CCW operation to 2 n.c.
	(8)	Revers return spring	Data A	Snap action, Spring return Contacts 2 n.c. CW operation to 2 n.o.
	(9)	Remove return spring	Data A and Note 2 above	Stay-put action Contacts: CCW position 2 n.c. or CW position 2 n.o.
JC - 1125 BMK 36	(10)	As supplied	Data A	Snap action, Spring return Contacts 1 n.c. and 2 n.o. CW operation to 1 n.o., 2 n.c.
	(11)	Revers return spring	Data A	Snap action, Spring return Contacts 2 n.c. and 1 n.o. CCW operation to 2 n.o., 1 n.c.
	(12)	Remove return spring	Data A and Note 2 above	Stay-put action Contacts: CCW position 1 n.c. 2 n.o. CW operation to 1 n.o. 2 n.c.
JC 1125 BMK 45	(13)	As supplied	Data A	Snap action, Spring return Contacts 2 n.o. and 1 n.c. CW operation to 2 n.c., 1 n.o.
	(14)	Revers return spring	Data A	Snap action, Spring return Contacts 2 n.c. and 1 n.o. CCW operation to 2 n.o., 1 n.c.
	(15)	Remove return spring	Data A and Note 2 above	Stay-put action Contacts: CCW position 2 n.c. 1 n.o. or CW position to 2 n.o., 1 n.c.
JC 1125 BMK 54	(16)	As supplied	Data B and Note 2 above	Slow-make and break spring return Contacts : 2 n.o. CW operation to 1 n.o. 1 n.c. or CCW operation to 1 n.o., 1 n.c.
	(17)	Add two jumper wires	Data B and Note 2 above	Slow-make and break spring return Contacts: 1 n.o. CW or CCW operation to 1 n.c.
JC 1125 BMK 63	(18)	As supplied	Data B and Note 2 above	Slow-make and break spring return Contacts : 2 n.c. CW operation to 1 n.o. 1 n.c. or CCW operation to 1 n.c., n.o.
	(19)	Add two jumper wires	Data B and Note 2 above	Slow-make and break spring return Contacts: 1 n.c. CW or CCW operation to 1 n.o.
JC 1125 BMK 72	(20)	As supplied	Data C and Note 2 above	Snap-action spring return Contacts : 2 n.o. CW operation to 1 n.o. 1 n.c. or CCW operation to 1 n.c., 1 n.o.
	(21)	Add two jumper wires	Data C and Note 2 above	Snap-action, spring return Contacts: 1 n.o. CW or CCW 1 n.c.
JC 1125 BMK 81	(22)	As supplied	Data C and Note 2 above	Stay-put action Contacts : 2 n.o. CW operation to 1 n.o. 1 n.c. or CCW operation to 1 n.c., 1 n.o.
	(23)	Add two jumper wires	Data C and Note 2 above	Stay-put action Contacts : 1 n.o. CW or CCW operation to 1 n.c.
JC 1125 BMK 90	(24)	As supplied	Data B and Note 2 above	Slow-make and break, spring return Contact : 2 n.o. 1 n.c. CW operation to 1 n.o. 2 n.c. or CCW operation to 1 n.c., 2 n.o.
JC 1125 BMK 99	(25)	As supplied	Data B and Note 2 above	Slow-make and break, spring return Contact : 1 n.c., 2 n.o. CW operation to 2 n.o. 1 n.c. or CCW operation to 2 n.c., 1 n.o.

How to order your limit switch When ordering, quote the following :
Switch order reference. Lever reference.
Back mounting plate style number.

Operating levers

Lever	Length (mm)
Style A	
AA	38
AAI 2.5,4 mm roller)	38
AB	76
AC	32
AD	45
AH	51
AL	89
AM	102
AO	64
A	
Style F	
FG	64
F1	76
F	
Style LA	
LAA 1	38
LAH 1	51
LAO 1	64
LA	
Style R	
R (hub)	
R9 (rod)	
Style V	
VA	

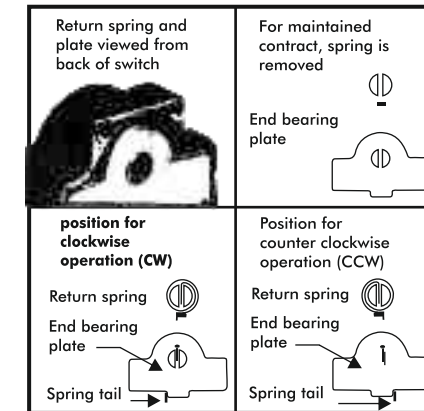
if alternative back mounting plate is required specify style number on order.

Lever may be positioned within a 220° range

Note 1 : All order references are for switches with metric threads.
 Note 2 : Lever must not be allowed to snap back freely any over-travelled position with this contact arrangement.

Actuation mode conversion

Conversion is accomplished by reversal of lever return spring located below the back cover and shaft end bearing plate. For maintained contact the spring is removed always replace bearing plate.



General data

Contact material	silver
Mechanical life	10X10 ⁶
Terminal type	Screw clamp
Cable capacity (mm ²)	1X2.5 mm ²
Ambient temperature range	0°C To 107°C
Minimum storage temperature	-35°C
Maximum relative humidity	90% RH

Contact ratings

Make and break

Voltage (V)	Break (A)				Inductive
	Inductive a.c.	d.c.	Non-Inductive a.c.	d.c.	
115	6	2	30	5	60
250	3	1	15	2	30
440	1.5	0.48	7.5	1	15
600	1.2	0.4	6	0.8	12

Continuous : 25 A 600V a.c. / d.c. (two circuit switches)
 Note : Three circuit Switches rated to 300 V

Operating data

Contact arrangement	A	B	C
Differential travel (deg)	11 ±2	4max	4max
Total travel both directions (deg)	75	75	75
Recommended operational travel (deg)	20-35	10-25	10-25
Repetitive accuracy each switch (deg)	±0.03	-	±0.03
Actuating torque maximum (kgf m)	0.108	0.068	0.094
With maintained contact (kgf m)	0.032	-	0.032