

IMPORTANT : READ THIS MANUAL THOROUGHLY BEFORE INSTALLATION OR SERVICING
CONTENTS :

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|------------------|-----------------------------|-----------------------------|
| 1. DESCRIPTION | 3. INSTALLATION | 5. ELECTRIC CIRCUIT DIAGRAM |
| 2. SPECIFICATION | 4. GENERAL ASSEMBLY DRAWING | |

1. DESCRIPTION :

This unit comprises of an aluminium cast housing, an aluminium cover and two switches mounted on the switch mounting plate and in turn on the mounting pads of the body with screws. The switches are activated by cam to indicate the ON/OFF position of the Actuator. The electrical connections to the switches are terminated on the terminal strip. Electrical connections are duly numbered and shown in sketch pasted on the cover. The cable can be taken out from the double compression glands provided on either end of the box.

The enclosure is weatherproof to IP67.

All terminals at the switches are prewired to a terminal strip which is easily accessible when the top cover is removed.

The switch box is mounted on top of the actuator with an ancillary bracket and adaptor.

2. SPECIFICATIONS :

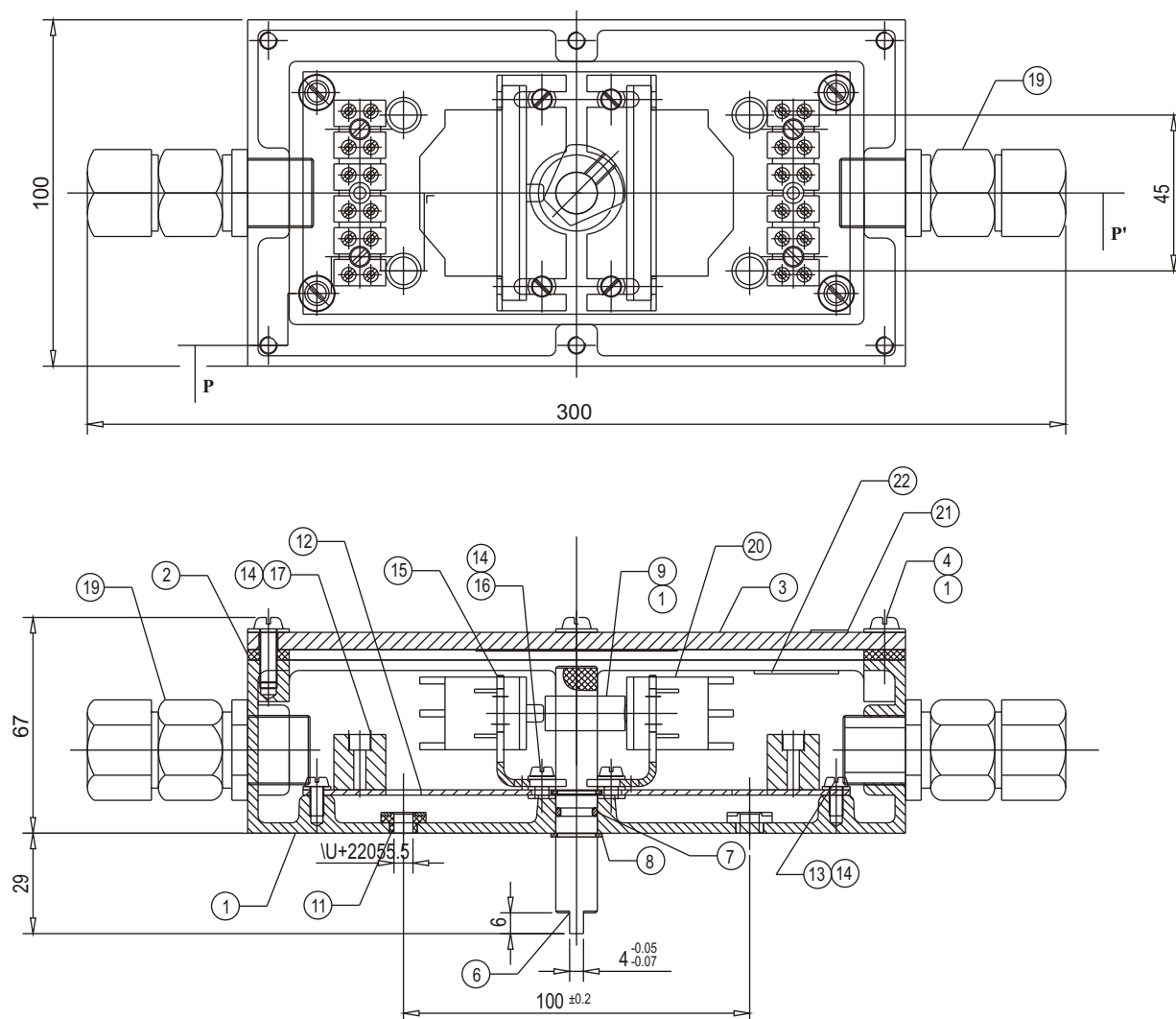
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|---------------------------------------|--|
| 1. Make : EL-O-MATIC | 7. Switch Type : Limit Switches |
| 2. Model : LDW | 8. Make (SW) : BCH or as agreed mutually |
| 3. Type : Low Duty | 9. Contact : 1NO + 1NC / 2NO + 2NC |
| 4. Material : AL. Alloy | 10. Voltage : 110 - 230 AC / DC |
| 5. Protection : Weatherproof to IP-67 | 11. Current : 4A - 0.1 Amps |
| 6. Cable Entry : ½" NPT (2 Nos.) | 12. Temperature : -20° TO 70°C |

3. INSTALLATION :

The following procedure shall be adopted for mounting of the Limit Switch Box LDW, on the mounting bracket provided on the top mounting pad of the Actuator.

- Lock the Hex Adaptor on the Actuator shaft ensuring that Limit Switch Box body is resting on the bracket. In case of Namur shaft, adaptor is not required.
- Tighten screws to fix the box on the bracket.
- Adjust the cams to the correct position for actuation of switches
- Make connections of the supply cables to the terminal strip as per the diagram pasted on the inside of top cover.
- Place top cover in position, fix it using screws.

TOP VIEW SHOWN
WITHOUT COVER



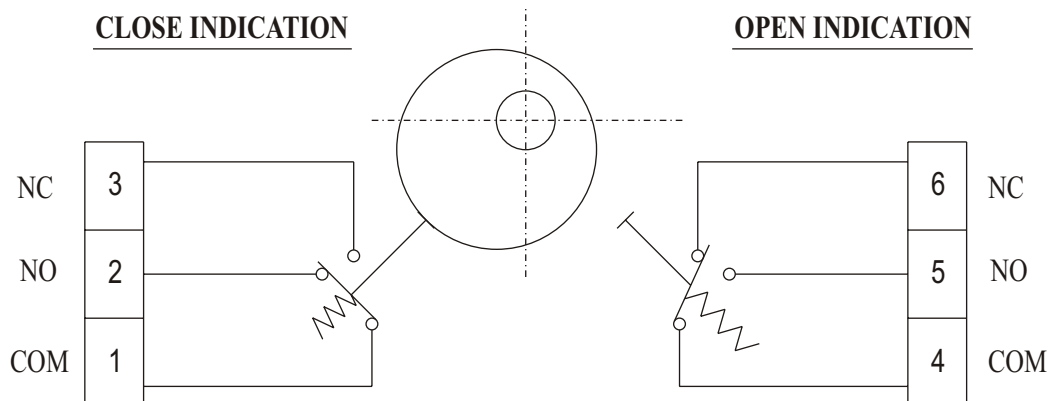
SECTION-PP'

SRL	DESCRIPTION	QTY.	MATERIAL
1	HOUSING	1	ALUMINIUM-LM6
2	GASKET	1	NITRILE
3	COVER	1	ALUMINIUM-LM6
4	CHE. HD. SCREW	6	SS-304
5	WASHER	6	SS-304
6	MAIN SHAFT	1	SS 410
7	O-RING (HSG.)	1	NITRILE
8	CIRCLIP	2	SPRING STEEL
9	ECCENTRIC CAM	1	ALUMINIUM
10	GRUB SCREW	1	SS-304
11	BUSH+WASHER	4	STEEL+NITRILE

SRL	DESCRIPTION	QTY.	MATERIAL
12	BASE PLATE	1	M.S. (PLATED)
13	CHS. HEADED SCREW	4	SS-304
14	PLAIN WASHER	8	SS-304
15	SWITCH MKTG. PLATE	2	M.S. (PLATED)
16	CHS. HEADED SCREW	4	SS-304
17	TERMINAL STRIP-6 WAY.	2	STD./PLASTIC
18	CHS. HEADED SCREW	4	SS-304
19	DOUBLE COMPRN. GLAND	2	BRASS/SS
20	SWITCHES	2	STD.
21	NAME PLATE	1	ALUMINIUM FOIL
22	ELE. DIAGRAM - STICKER	1	PVC STICKER

5. CIRCUIT DIAGRAM :

1. CIRCUIT DIAGRAM WITH 2 NOS. LIMIT SWITCHES (1NO + 1NC)



2. CIRCUIT DIAGRAM WITH 2 NOS. LIMIT SWITCHES (2NO + 2NC)

