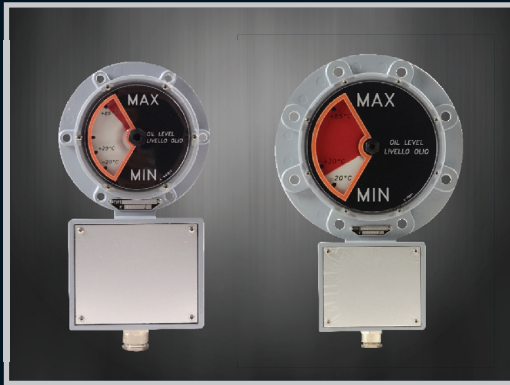


Enclosures



Hinges

Locks

Handles

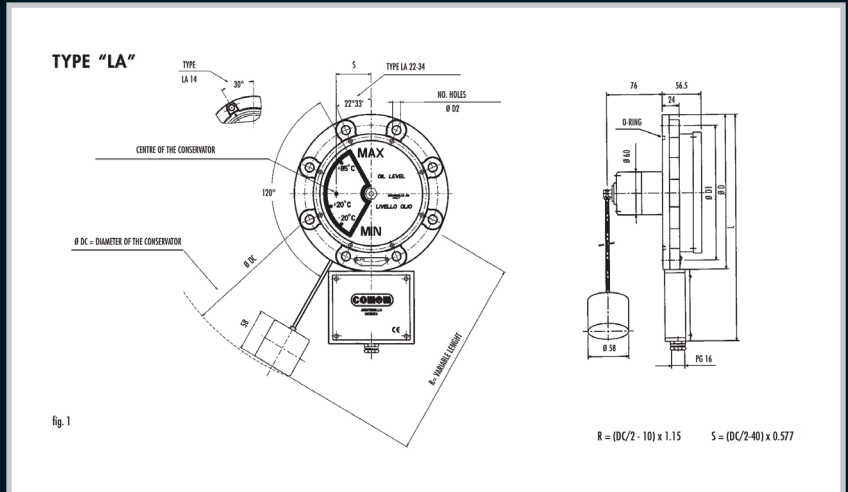
Accessories

Rotary Operating Handles

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Part Number	Description	ø D	ø D1	ø D2	No. of Holes	L	O.ring Type	Weight (kg)	R Standard
021-300	LA140	140	125	7	6	245	O.R. 186 (6362)	1.4	max. 370
021-301	LA220	220	190	11.5	8	325	O.R. 221	2.3	max. 550

WHAT IS A MAGNETIC OIL GAUGE?

This is a mechanical device that sits on the conservator of a transformer and is used to measure the insulating oil level of a transformer.

HOW DOES IT WORK?

When oil expands within a transformer, due to a temperature rise, the oil level in the conservator tank will increase and visa versa when there is a fall in oil temperature. The float arm of the Magnetic Oil gauge will rise and fall with the oil level. The float arm is connected to the gearing of the gauge which in turn is magnetically connected to the display dial which is also connected with a switch. When the level drops below a set level, the switch will close and provide contacts for an alarm to be activated. This will ensure the level never drops too low without warning.

The Dial will reference the following options depending on the oil level:

- Minimum level: when the dial shows all RED
- Maximum level: when the dial shows all WHITE
- Intermediate indications between MIN & MAX: the dial shows part red and part white.

NB! * The amount of RED shown indicates, in portions , the part of the conservator left without liquid.

MICRO-SWITCH SPECIFICATION

Power supply: 24 to 220 V a.c. or d.c
 Interruption power: 3A 125/250 V a.c (resistive)
 0,5 A V d.c for inductive load L/R = 40ms
 0,25 A 250 V d.c for inductive load L/R + 40ms

MICRO-SWITCH TESTING

Remove the cap situated in the centre of the dial on the front of the level gauge, unscrewing it in an anticlockwise direction.

Insert a screwdriver in the slot provided and turn the gauge disk until the electric circuit connected to it switches on or off.

Close the cap again, being particularly careful to position the O-ring (O.R) correctly under the cap and to screw the cap on firmly.

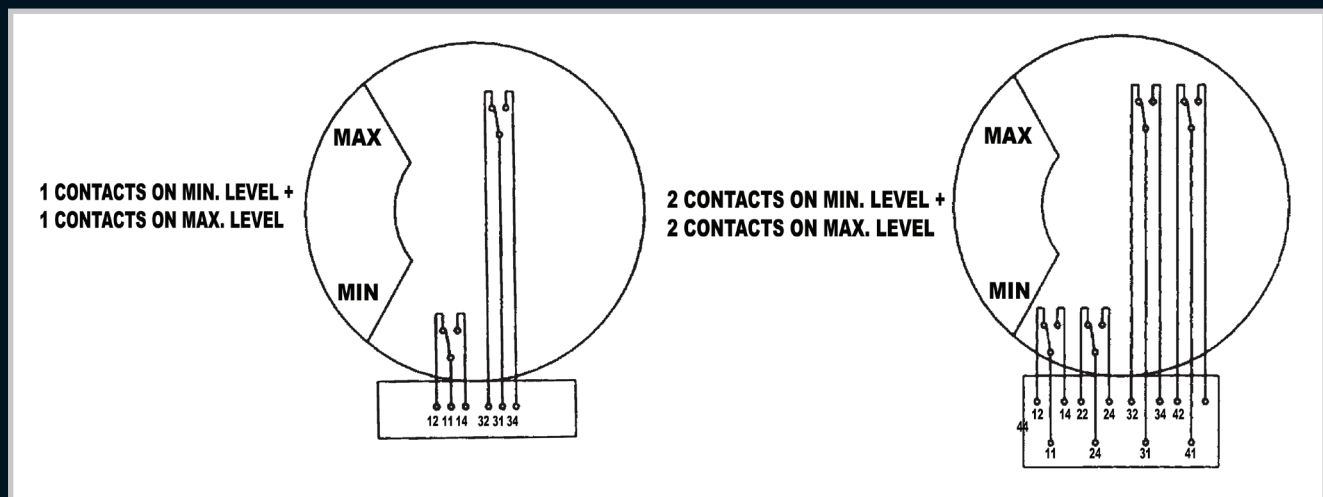
PARTS AND CHARACTERISTICS

- A watertight IP55 body of aluminium alloy painted RAL7001 against corrosion.
- Aluminium float rod- If the length is not specified (Distance R in drawing) , the standard size indicated on table is supplied.
- Stainless Steel external nuts and bolts.
- Operates at:
 - Oil temperatures between: -25°C and +120°C
 - Environment temperatures between: -25°C and +60°C

TYPE TESTS APPLIED

1. Tested for water tightness-body housing too IP55
2. Insulation Test to Earth 2.5kV AC 50 Hz for 72 seconds
3. Final assembly re-check and test.

SWITCH CONFIGURATION OPTIONS:



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