

HBS01 OIL LEVEL SWITCH

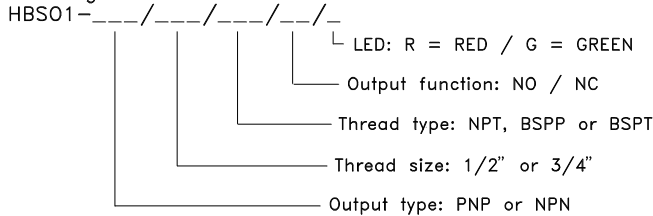
- * The HBS01 OIL LEVEL SENSOR is a unique oil level switch, for industrial applications.
 - * Operating according to the capacitive principle (improved).
 - * Designed especially for oil management systems for refrigeration applications.
 - * Unaffected by oil-foam, oil-splashing or oil-coating.
 - * HBS01 SENSOR has a PNP or NPN digital ON/OFF output, load maximum 50mA.
 - * Indicator = wet ON. LEDs change from normal OFF to light constantly.
 - * Output is standard Normal Open (NO). Option is Normal Close (NC)(Fail Safe).
 - * Supply and Output is DC isolated from ground with a 500V capacitor.
- * Split design for easy test and replacing of the electronic part – without depressurization.
- * The sensor is suitable for refrigerant oils incl. mineral, PAO, PEO and PAG oils.
Tested in Fuchs L55E, Reniso C170E, PA068, PE0120, PAG68 and PAG46

Note:

Switch delay, could be caused by gas in the system.

Positioning of the electronic part can easily be adjusted by the M5 hex fixing screws. (two)

Ordering code:

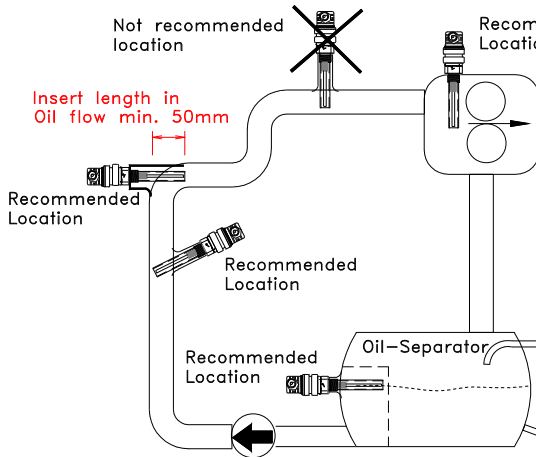
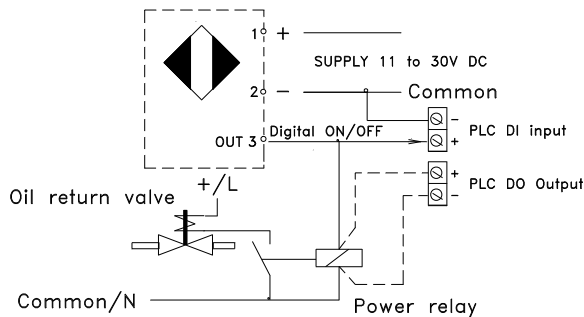


Label code (eg.):

HBS01 - OIL SWITCH 24V DC PNP 3/4" NPT V60MMYY
NO R

Ver.no. Month/Year

Electrical Connection PNP



Mounting example

Note:
On small Compressors where the space inside the Compressor housing is limited, the Oil Switch should be mounted in an adaptor or a reservoir outside the Compressor.

Accessories:
HBPA Power Adaptor for switching solinoid valves.

History:
2009/Q4: HBS02 has been phased out. HBS01 V6.0 detects all oils.
2010/01: Label code changed to correspond to ordering code

HBS01/10.01/MK

