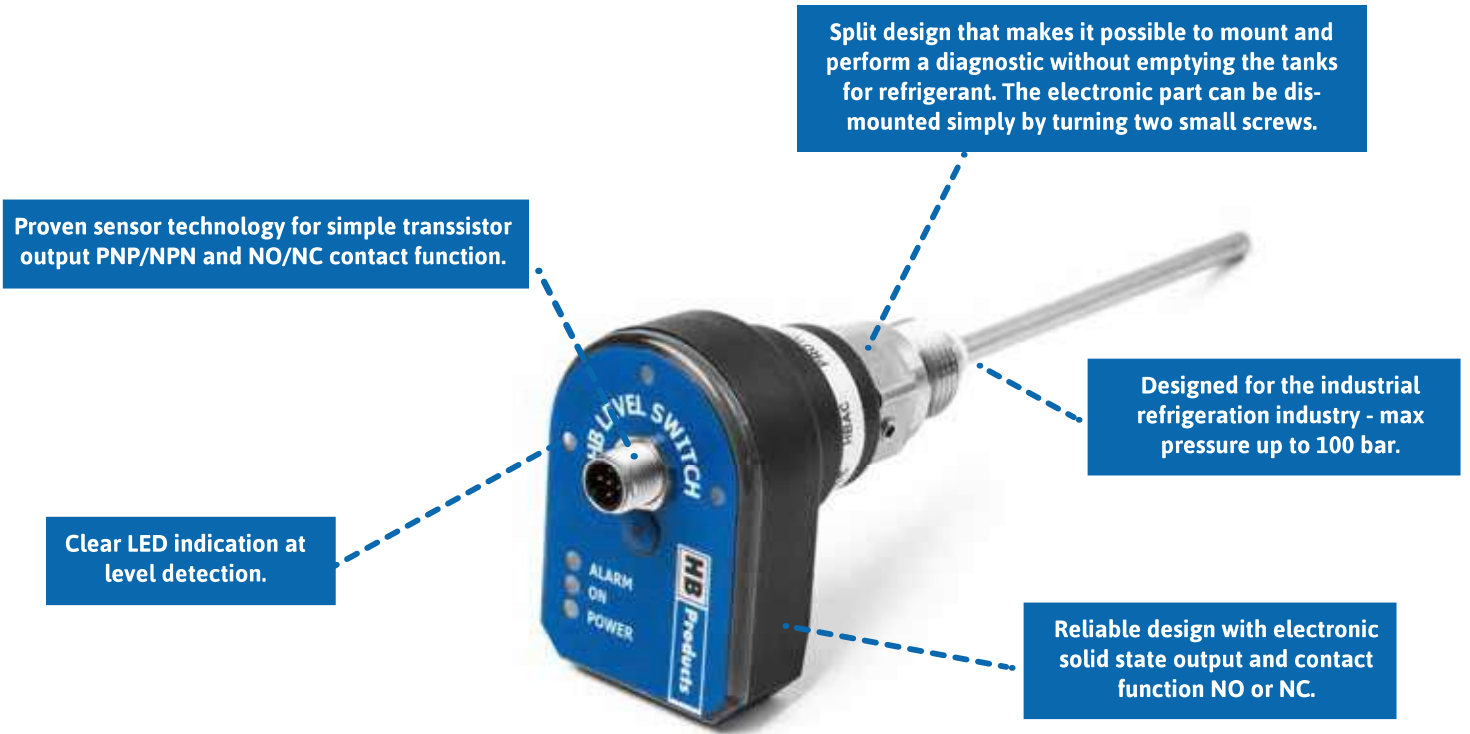


NH3/Oil switch



Functional description

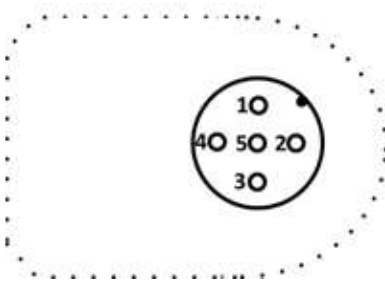
HBL is a level switch for detecting NH3 refrigerant and oil in industrial refrigeration systems. Typically it is installed on fluid tanks, also suitable for mounting other places where you need level indication of both NH3 refrigerant and oil.

The sensor is specially built to resist high pressure and low temperatures.

Technical data

Power supply		Mechanical specifications	
Voltage	24 V DC	Thread connection	3/4" NPT
Power/current consumption	50 mA	Material – liquid parts	AISI 304 / PTFE
Max power/current consumption	100 mA	Material – electronic parts	Nylon 6 (PA)
Plug connection	M12 - DIN 0627	Dimensions	210x52x40
Output		Environmental conditions	
Output type	PNP, 1 A	Ambient temperature	-60...+50°C
Output function	NC or NO	Refrigerant temperature	-60...+80°C
LED indication	3 x green	Max pressure	100 bar
Cable specification (power supply)		Protection degree	IP65
Cable size	5m - 3 x 0.34 mm ²	Vibrations	IEC 68-2-6 (4g)
Cable glands	PG7 / M8	Accessories (to be ordered separate)	
Cable resistance	500 Ω/Km		
Approvals			
CE	EN 61000-2		

Electrical installation



Supply 24V AC/DC

1 = Brown +

2 = White -

3 = Blue, DO, Alarm, PNP/NPN, 1A

4 & 5 = not in use