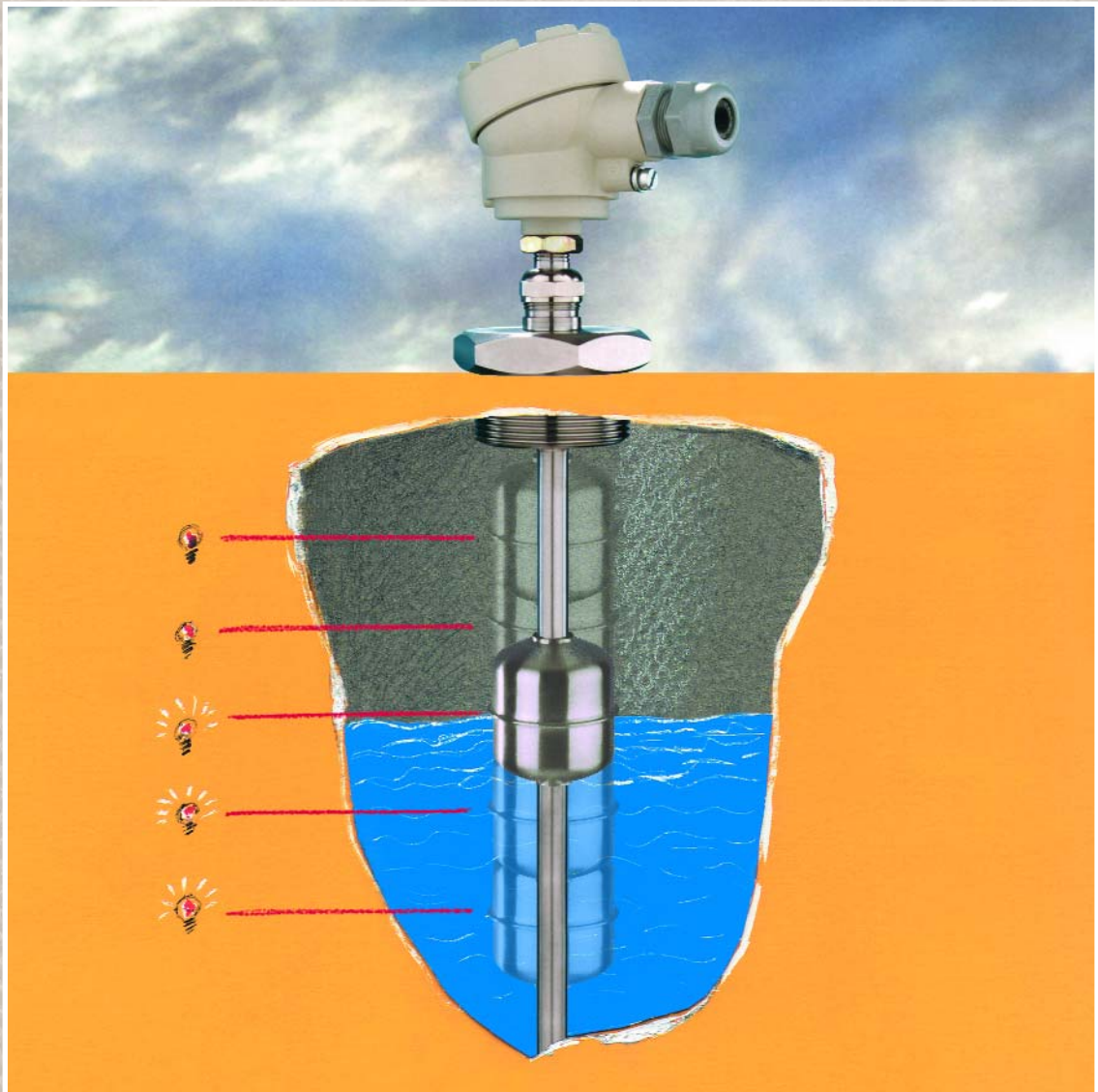


SEMRAD

NIVOPOINT

MAGNETIC FLOAT LEVEL SWITCHES



OUR PROFESSION IS YOUR LEVEL



GENERAL

A magnetic float, moving alongside the protection tube tracking the level, is activating the reed relays incorporated the tube. After passing of the float, the reed relays will retain their output state. The device is capable of direct switching a load within its specification. All wetted parts are made of stainless steel. Various process connections as well as flanged versions (upon request) are available. Vertical adjustment of switching points is possible via mechanical gland. Models with 2" process connection can be installed without removing the float. A dismantling is required with smaller process connections.

APPLICATION

NIVOPOINT MR series of level switches are applicable for point level switching (high or low) or for alarm (overflow, empty).

SPECIFICATIONS

TYPE	MR ___	MR ___ Ex
Length of probe	0.25 m to 3 m	
Material of wetted parts	Stainless Steel (DIN1.4571 / BS316Ti) *	
Process pressure	2.5 MPa (25 bar) (at 20 °C)	
Medium density	min. 0.7 g/cm ³	
Process temperature	-40 °C to +150 °C	
Ambient temperature	-40 °C to +100 °C	
Output	1 to 5 pcs. NO or NC reed relays	
Switch rating	max. 120 W / VA, 250 V AC, 3 A / reed relay, max. 9 A	
Switch differential	< 10 mm	
Distance between switch points	min. 110 mm	
Lowest switch point	min. 80 mm from the bottom of the protection tube	
Highest switch point	min. 85 mm from the bottom of hexagon neck	
Adjustability of all the switch points	± 25 mm	
Electrical connection	Pg16 for Ø7 to Ø14 mm cables Pg16 for Ø9.5 to Ø10 mm cables 0.5 to 2.5 mm ² wire cross section	
Process connection	1" or 2" BSP/NPT	
Gasket	Klingerit 400	
Electric protection	Class I.	
Enclosure	IP 65	
Certificate for Ex versions	-	ATEX EEx d IIC T4 - T6
Dimensions of the housing	110 x 80 x 65 mm	160 x 80 x 65 mm
Weight	0.4 kg + 0.3 kg / m	0.45 kg + 0.3 kg / m

* PP or PVDF version at request

ORDER CODE

NIVOPOINT MR - - - -

PROCESS CONNECTION	CODE	SWITCH POINT	CODE	LENGTH	CODE	LENGTH	CODE	FLOAT	CODE
1" BSP	A	1 pc. NO/NC	1	0 m	0	0 m	0	Ø 52	3
2" BSP	C	2 pcs. NO/NC	2	1 m	1	0.1 m	1	Ø 52 / EX	7
1" NPT	D	3 pcs. NO/NC	3	2 m	2		
2" NPT	G	4 pcs. NO/NC	4	3 m	3	0.8 m	8		
		5 pcs. NO/NC	5			0.9 m	9		

* Specification is required as below:

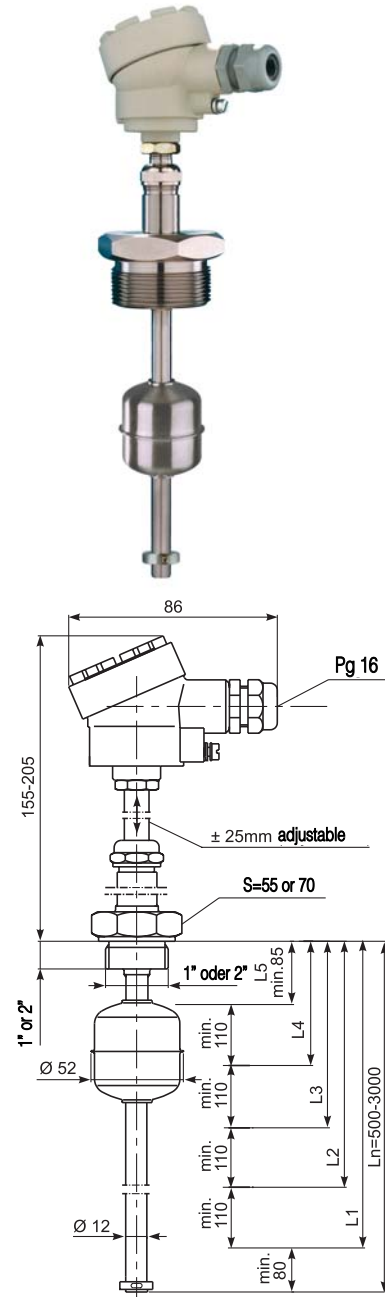
Total Probe length (L)=	MODE	
	NO	NC
L1=		
L2=		
L3=		
L4=		
L5=		

Reference for NO/NC is: Rising level (Empty tank)

ORDER EXAMPLE

NIVOPOINT MRC-308-3

L1 = 650 mm, NO
L2 = 400 mm, NO
L3 = 130 mm, NC



Technical specification may be changed without notice