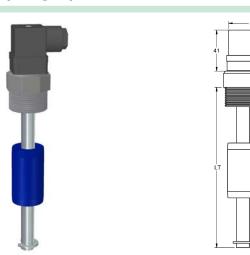


IMN TC PVC / INOX / PA



LEVEL MAGNETIC SWITCHES



eral	Operating principle	The IMN level magnetic sensors are based on the action of a reed switch located inside the tube, which is activated by a magnet housed inside the float and moves due to the thrust of the liquid.
Gen	Application	For the detection of one or more level points: hydraulic grops, lubrication oil reservoirs, tank farms, etc.
	Manufacturing	Are customized to suit the installation conditions.

	Electrical connection	DIN43650 connector				
Housing	Protectión	IP65				
	Temperature (T _a)	-20+90 °C				
후	Cable gland	PG9				
_	Ø Hose	68 mm				
	Guied tube	SS AISI316 (1.4401). Ø12 mm				
Body	Length	903500 mm				
	Temperatura	-40+80 °C				
	Mounting position	Vertical, ±15°				
	Thread	1" G				
E	Material	PVC				
뜵		32				
ection	LR (mm)	16				

뜢		32
ec	LR (mm)	16
n n	LCP (mm)	15
Process connection	Be tempted to float is narrower than the width of thread	e/c LCP

	Model	FCPA07M14	FCPP04M14					
	Material	PA	PP					
	Dimension (mm)	Ø 29x50						
	Pressure (kg/cm²)	3						
ats	Density (g/cm³)	e > 0,6						
Floats	FS/FH(mm)	20 / 30						
_	-FS FH							

ts	Nr of contacts	13
Contacts	Class	NO: 120 WVA / 250 VAC-3A NC-NO/NC: 60 WVA / 230 VAC-1A
ၓ	Distance between them	> 40 mm

rotection	Standard	Normal execution without inner filling. Applicable to most applications.
ec	Protect	Anti-condensation effect. In installations where there are large temperature differentials.
Prot	Encapsulated	Filled with epoxy resin. Establishing a higher degree of tightness.

How to determine the sensor settings

Determine the total length according to the characteristics of the shell and the liquid level to be controlled.

According to the maneuver you wish to perform, determine the amount, location and type of contacts. Use the table below to define these characteristics.

Contacts: To set the type of contact (NO, NC, NONC) should be without the presence of the float. For example, if you want the lower end of the sensor contact opens when the tank runs out of fluid, seek an NC contact for the position.

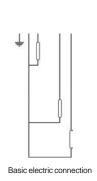
Direction of action ($\uparrow \downarrow$): Set the direction of action of the float (the filling or emptying) allows more precise adjustment of the position of the contacts to the point of desired performance.

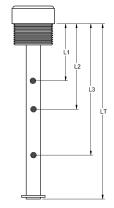
Electrical connection: If not otherwise specified explicitly, provide a common connection to all the contacts and an active connection for each of them, according to the diagram below.

Additional floats: The sensor comes equipped by default with a single float, the lower stop and if required, the upper stop. Can request as many additional floats as many contacts as necessary.

Conditions of work: Check that the conditions of pressure, temperature and density of your system match those offered by the model chosen. If you have questions regarding the behavior of materials in contact with the liquid you want to control, see chemical resistance chart on our website.

Apart from the possibilities listed here, there are others such as other floats, various electrical connections, etc.. For other connectivity options and combination of floats and contacts, see our document "Connections for Switches Magnetic Level" you will find on the "Utilities / Tables" website.





	mm	NO _/_	NC _/L	NONC	<u></u>	<u></u>	Stop
L1							
L2							
L3							
LT							

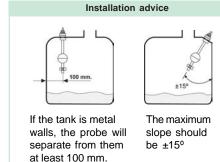
Use this document to define the data of sensor and attach it at the time of ordering. Specify in mm. total length of the sensor.

Specify in mm. the position of each of the contacts used in your application.Place an "X" the type and direction of action of each contact.

In the composition table references check boxes next to the selected features.

REFERENCE	VERSION		PROCESS		FLOAT		TOTAL LENGTH		Nº CONTACTS		Nº FLOATS	
IMN TC PVC INOX PA	□ V1 Standa □ V2 Protect □ V3 Encap		□ P06		_	FCPA07M14 FCPP04M14	L	903500 mm	_	1 contact 2 contacts 3 contacts		1 float 2 floats

To compose a reference, select an option from each of the columns. Example: IMN TC PVC INOX PA V1 P06 F55 L500 C1 N1

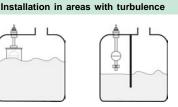








Still pipe. Protects the race of the float of the turbulence.



Separating wall or discouragement.



PSIA, DSIA relay: Differential control of max. and min. by timing.







