

# RL/G2

WITH 2 FLOAT

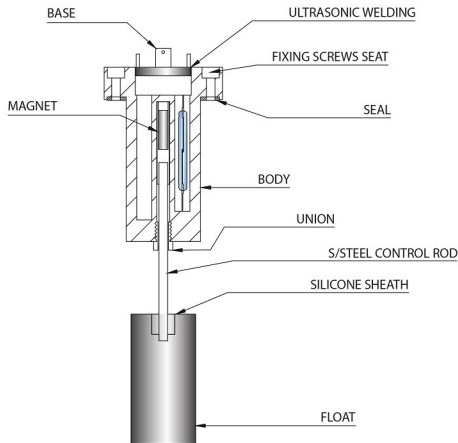


RAPID LEVEL  
Patented level switches with unique characteristics.



# RAPID LEVEL

PATENTED LEVEL SWITCHES WITH  
UNIQUE CHARACTERISTICS



\* The required length can be obtained simply by cutting the steel rod, using an ordinary pipe cutter; or the switching point can be varied by using a float with through hole allowing the required liquid control point to be modified whenever necessary.

\* It can be used for dirty liquids, water, petroleum, cutting oils, and tolerates the presence of metal and ferrous particles, since the float does not hold a magnet and is integral with the rod.

\* One float can operate just one Reed (min. or max. level), or two Reeds (min. and empty and extra max. level) thus meeting the most complex needs.

\* Total safety since the electrical part is completely separate in the tank side and perfectly sealed with respect to the external side by means of ultrasonic welding and resin coating of the pins.

\* The nylon-glass body is very strong and very resistant with respect to chemicals, and is ideal as an insulating container for the Reed contacts.

\* The Rapid Levels come standard with rods suitable for control of a max. measurement of 500 or 1000mm. To obtain specific measurements, refer to the table on the next page.

\* They can be ordered already arranged for the control of predetermined measurements.

## THROUGH FLOAT

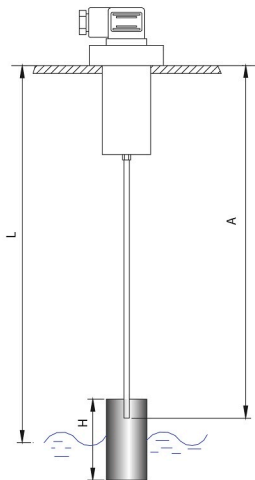


On request the float can be supplied with through hole and therefore be positioned in the required position without having to cut the rod (which can therefore be as long as the height of the tank). If necessary, the liquid control point can be subsequently be modified as required by simply moving the float.

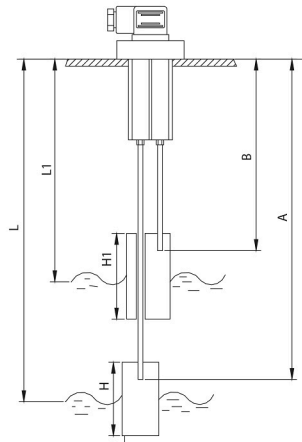
# RAPID LEVEL

## Rapid Level connection rod cutting table.

(NB : Carry out the cutting measurement with the rod in traction with respect to the body)



CONTROL VALUE (mm)	L=	ROD CUTTING FOR MIN. LEVEL A= (mm)	CONTROL VALUE (mm)	L1=	ROD CUTTING FOR MAX. LEVEL B= (mm)
90		H= 35			
100		H= 45			
110		H= 55			
120		H= 116			
140		H= 137			
160		H= 158			
180		H= 179			
200		H= 200	90	62	H1= 35
220		H= 221	100	62	H1= 45
240		H= 242	120		131
260		H= 263	140		152
280		H= 284	160		173
300		H= 305	180		194
320		H= 326	200		215
340		H= 347	220		236
360		H= 368	240		257
380		H= 389	260		278
400		H= 410	280		299
420		H= 431	300		320
440		H= 452	320		341
460		H= 473	340		362
480		H= 494	360		383
500		H= 515	380		404
520		H= 532	400		425
540		H= 553	420		442
560		H= 574	440		463
580		H= 595	460		484
600		H= 616	480		505
620		H= 637	500		526
640		H= 658	520		547
660		H= 679	540		568
680		H= 700	560		589
700		H= 721	580		610
720		H= 742	600		631
740		H= 763	620		652
760		H= 784	640		673
780		H= 805	660		694
800		H= 826	680		715
820		H= 847	700		736
840		H= 868	720		757
860		H= 889	740		778
880		H= 910	760		799
900		H= 931	780		820
920		H= 952	800		841
940		H= 973	820		862
960		H= 994	840		883
980		H= 1015	860		904
1000			880		925



L-L1 = 100 mm

A-B = 90 mm

H = 35 (L = 90 mm)

H = 45 (L = 100 mm)

H = 55 (L = 110 mm)

H = 60 (L = 120 - 500 mm)

H = 90 (L = 501 - 1000 mm)

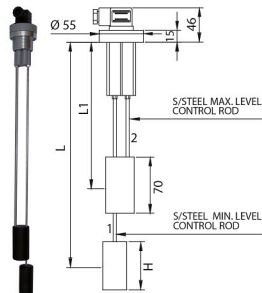
H1 = 35 (L1 = 90)

H1 = 45 (L1 = 100)

H1 = 70 (L1 = 120 - 1000 mm)

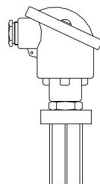
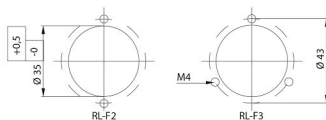
# RL/G2

## RAPID LEVEL" TYPE LEVEL SWITCH WITH 2 FLOATS



- \* The RL/G2 range has a head which holds two control rods and two floats.
- \* Each control rod can commutate the signal of 1 or 2 Reeds (with single or exchange contact). Each head can therefore contain from 2 to 4 Reeds.
- \* The most suitable system can be chosen for each rod.
- \* In case of excessively dense liquids the two floats can be supplied entirely separate from each other to prevent rod 1 from undergoing friction with the float of rod 2.
- \* The minimum distance between the two points to be controlled is 90mm.

### FIXING DIAGRAM



IP65 CONNECTION HEAD WITH 6 POLARITIES

Indispensable for use with systems providing for 4 to 6 polarities.

### CONNECTION:

Connector CE  
DIN 43650 IP65 PG.9



VERSION	CONNECTION	ELECTRICAL CONTACTS				REED	EXCHANGE REED		OPERATING TEMPERATURE -20 +80°C ON REQUEST 120°C	MAX. PRESSURE 10 Bar
		MIN. LEVEL CONTROL ROD					3 A. 60W.A. 230VDC 230 VAC	1A. 20W.A. 150VDC 150 VAC		
RL / G2 - F3 (F2)	FLANGE 3/2 HOLES	S1= CLOSED IN ABSENCE OF LIQUID	S1A= CLOSED IN PRESENCE OF LIQUID	S2= EXCHANGE	S3= MIN. EMPTY	S4= SPECIAL. MIN. EMPTY				
RL / G2 - 1"1/4 GAS	1" 1/4 GAS	S1= CLOSED IN PRESENCE OF LIQUID	S1A= CLOSED IN ABSENCE OF LIQUID	S2= EXCHANGE	S3= MIN. EMPTY	S4= SPECIAL. MIN. EMPTY				
RL / G2 - 1"1/4 NPT	1" 1/4 NPT									