

# LEVEL GAUGE

## ● FEATURES:

- 1、 Install at top of tank, small space 110 x 110 mm only.  
It is unnecessary to drill holes at side of tank.  
And you do not worry about the level gauge will be hit or the leaking of tank.
- 2、 It is clear to observe the coolant level by means of the ball float.
- 3、 The limit switches or proximity switches can be installed on the column, to sense the high level and low level, and output signal to avoid the accident.
- 4、 It is easy to adjust the high level and low level on the tank, unlike traditional double-float type or three-needle type will operate in the tank.
- 5、 The bell shape of float is to avoid the sludge stick on it.

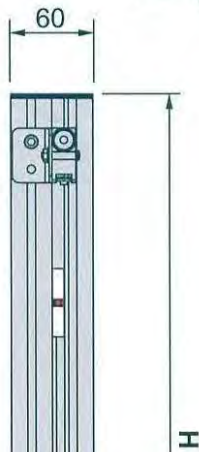
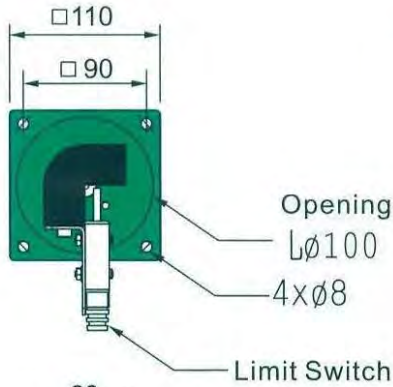


**LG60-300-L-HL**

**Patent No. M294050**

# ◆ LEVEL GAUGE

## Dimension



## Model

**LG 60 - 300 - L - HL**

HL : High & Low Level Sensor  
H : High Level Sensor  
L : Low Level Sensor  
O : Viewing

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L : Limit Switch  
Z-15GWA55-B5V  
TZ-7120 (TEND)  
N : Proximity Switch  
E2E-X7D1-N  
DC12-24V DC  
LM 18-2008A 90~250VAC  
LM 18-3008LA 6~36VDC

Tank Height, Sense Stroke-40mm

Column Size 60 x 60 mm

Level Gauge

高度 \ 型號	LGL60		LG60				LG80			
	150	200	200	300	400	500	800	1000	1200	1400
(H)	280	330	430	530	630	730	1120	1320	1520	1720

Top of Tank

40

080930-1000



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# SETUP STEPS FOR LEVEL GAUGE

**1** Prepare a bucket bigger than 160(D)x150(H)mm, then instill water up to 90%.



Examine the marks made on the buoy

**2**



Place Upper Limit-Switch to approx. three-fourths of the gauge (from bottom), then bring the whole LG60 near the bucket and immerse the buoy slowly into the water. As soon as you hear a "tick" echoed by the L/S, you should bear in mind "which mark" is aligned with the water level. (An example in the photo showed that the fifth mark (the highest one) is aligned with the water level.)

**3**



Place Lower Limit-Switch to approx. one-fourth of the gauge (from bottom), then bring the LG60 approach the bucket and immerse the buoy slowly into the water. As soon as you hear a "tick" sent out by the L/S, you should bear in mind which mark is aligned with the water level (An example in the photo showed that the first mark (the lowest one) is aligned with the water level.)

**4**

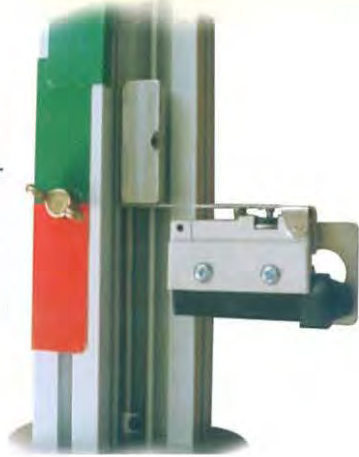


At this moment, you should set up the lower limit by a measuring tape: you should pull the buoy downward to an expected length (as seen in the photo, lower limit is set at 120mm, aligning with first mark (the lowest))



5

Then, hold the rectangle dog (L=50mm), start to shift higher the Lower L/S until it echoes with a "tick", then you should fasten the Lower L/S by screwing it tight.



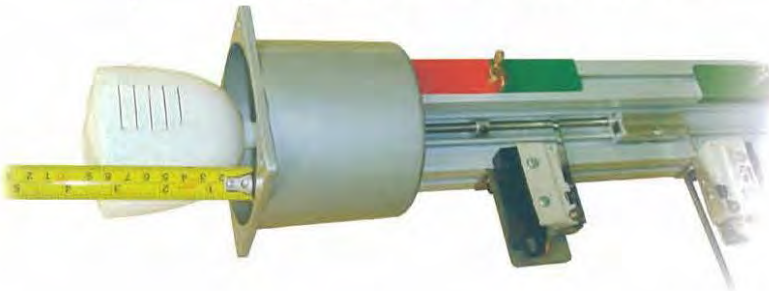
6

To prevent collision with L/S, you should fix the dog by screwing its lock(at lower shaft) tight at this moment.



7

Now, you should set up the upper limit (also by a measuring tape): pull the buoy to an expected length (as seen in the photo, upper limit is set at 40mm and is aligning with the fifth mark (the highest))



8



Adjust another set of Red./Green labels to align with the arm of Lower L/S like you just did above.

Hold the rectangle dog(L=50mm), then start to shift lower the Upper L/S until it echoes with a "tick", then you should fasten the Upper L/S by screwing it tight. Also, you should adjust the border of Red/Green labels to align with the arm of L/S as showed in the photo

10

Setup is accomplished.

