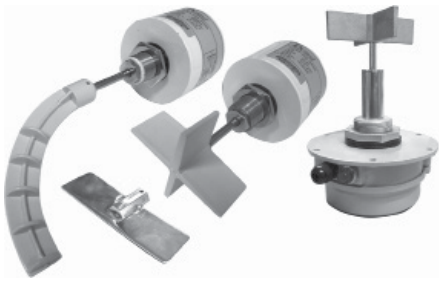
LM-001/LM-002

LEVEL PADDLE SWITCH



DESCRIPTION

- Flip - flop switches detect solid-state objects such as paddy, Grain, grain, flour, etc.
- Voltage supply 220VAC / SO - 60Hz
- SA 250VAC Relay Contact
- Threaded installation LM - 001: Size 0 25 mm. (3/4 inch) and LM-002 / LM - 002 - 5: size 0 47 mm
- Operating temperature -1 Oto 60 C

OPERATION

The LM-Series is a solid-state impeller switch housed inside a silo tank, such as paddy, rice, grain, starch etc. To check or control the level of objects to the level required. Installed on the top or side of the silo tank

When the power supply voltage. The LM-Series starts with a rotational speed of 0.8 RPM at SOHz in normally, when a solid object is added to the silo tank to the level where the LM-Series is installed, the rotor stops rotating. Output will work. Can be use relay Output contact connected to other devices such as PLC, Relay Module and control devices. To control the level of objects in the silo tank

APPLICATION

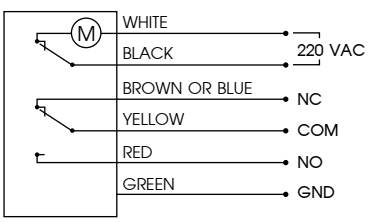
- LM-001, LM-001-1, LM-001-5 Suitable for Light Load, such as plastic injection hopper of injection molding machine
- LM-002 / LM-002-5 is suitable for Heavy Duty, such as silo in the mill

TECHNICAL SPECIFICATION

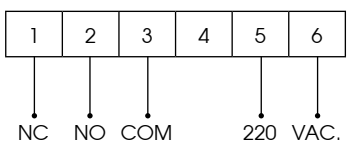
MODEL		LM-001	LM-001-1	LM-001-S	LM-002	LM-002-S
Power Supply		220VAC/50-60Hz			220VAC/50Hz	
Power Consumption		1.5VA			2VA	
Speed Round		0.8RPM 50Hz			0.8RPM 50Hz	
		1.0RPM 60Hz				
Core length	Standard	100	200	124	150	
	Special Max	500	500	500	1000	
Thread		Ø 25 mm.	Ø 25 mm.	Ø 25 mm.	Ø 47 mm.	
Output	1 Output	Relay Contact 5A 250VAC				
Ambient operation	Temperature	-10 ˚C to 60 ˚C				
	Humidity	85 % RH Non-Condensing				
Ambient storage	Temperature	-20 ˚C to 80 ˚C				
	Humidity	85 % RH Non-Condensing				
Protection Degree	Front Protection rating	IP52				
	Case Protection rating	IP30				
Installation		Screw				
Material	Housing	Aluminium and Stainless				
	Filter Head	Metal Sintered (150 ˚C)				
Size		170 x Ø 80mm.	266 xØ 80mm.	195 x Ø 80mm.	220 x 160mm.	
Weigth		750g.			1485.6g.	

WIRING DIAGRAM

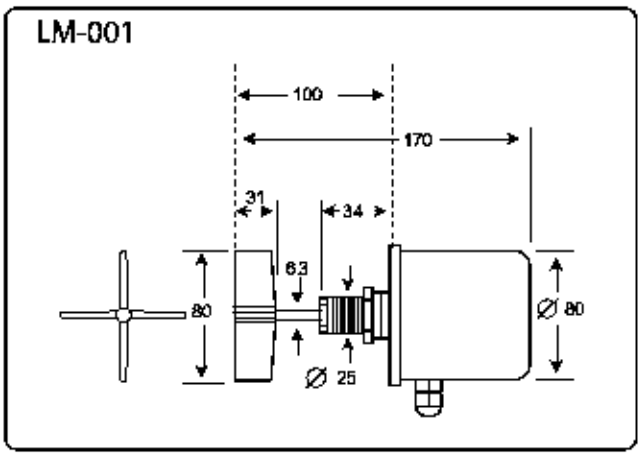
LM-001, LM-001-1, LM-001-S

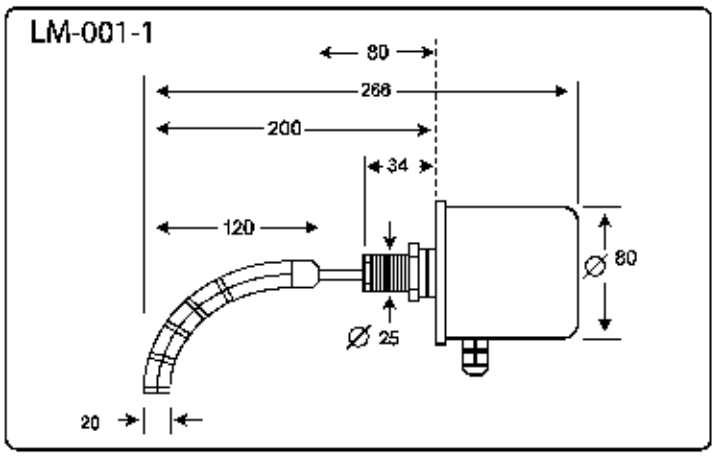


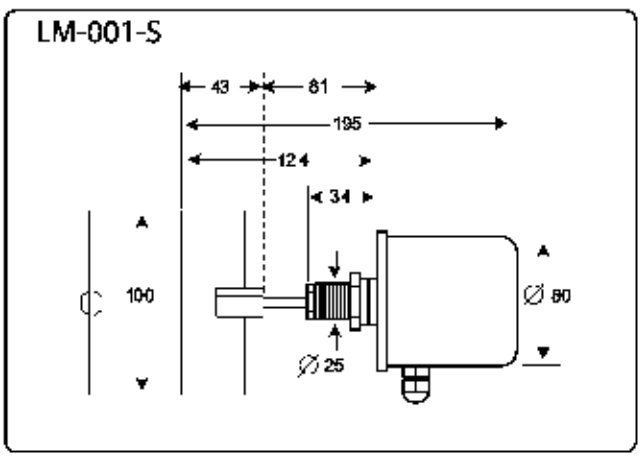
LM-002/LM-002-S

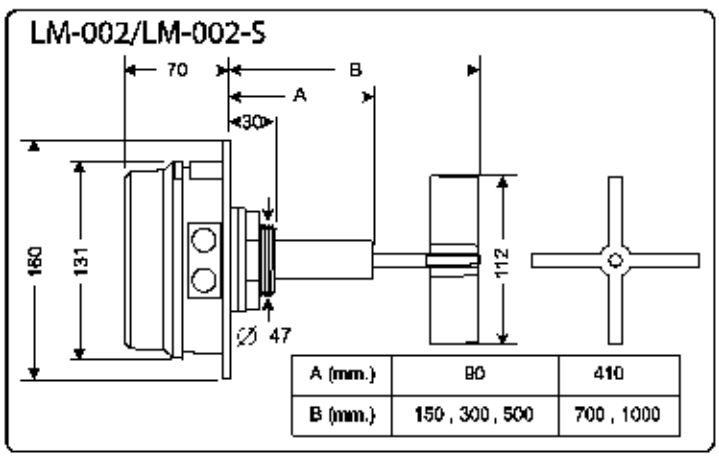


DIMENSION



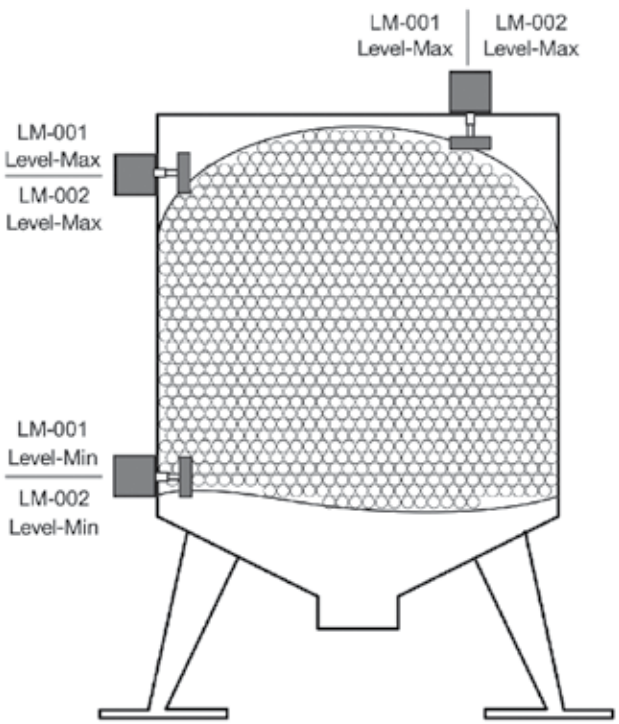






A (mm.)	80	410
B (mm.)	150 , 300 , 500	700 , 1000

INSTALLATION



ORDERING CODE

LM - [ ] [ ]

Propeller Type	
001	Plastic propeller
001-1	Plastic Toy
001-1	Stainless propeller
002	Aluminium propeller
002-5	Stainless propeller

Summary propeller axis length	
100 mm.	length 100 mm.
200 mm.	length 200 mm.
300 mm.	length 300 mm.
up to 1000 mm.	maximum length Up to 1000 mm.

*** Standard axis length include with propeller

- LM-001 standard axis length include with propeller 100 mm. Can be ordered up to 500 mm.
- LM-001-1 standard axis length include with propeller 200 mm, can be ordered up to 500 mm.
- LM-001-5 standard axis length include with propeller 124 mm. Can be ordered up to 500 mm.
- LM-002 standard axis length include with propeller 150 mm. Can be ordered up to 1000 mm.
- LM-002-5 standard axis length include with propeller 150 mm. Can be