

VIBRATION TYPE LEVEL SWITCH

HTM-930N Series



2 YEARS WARRANTY



ISO 14001



ISO 9001



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HITROL CO., LTD.

Overview

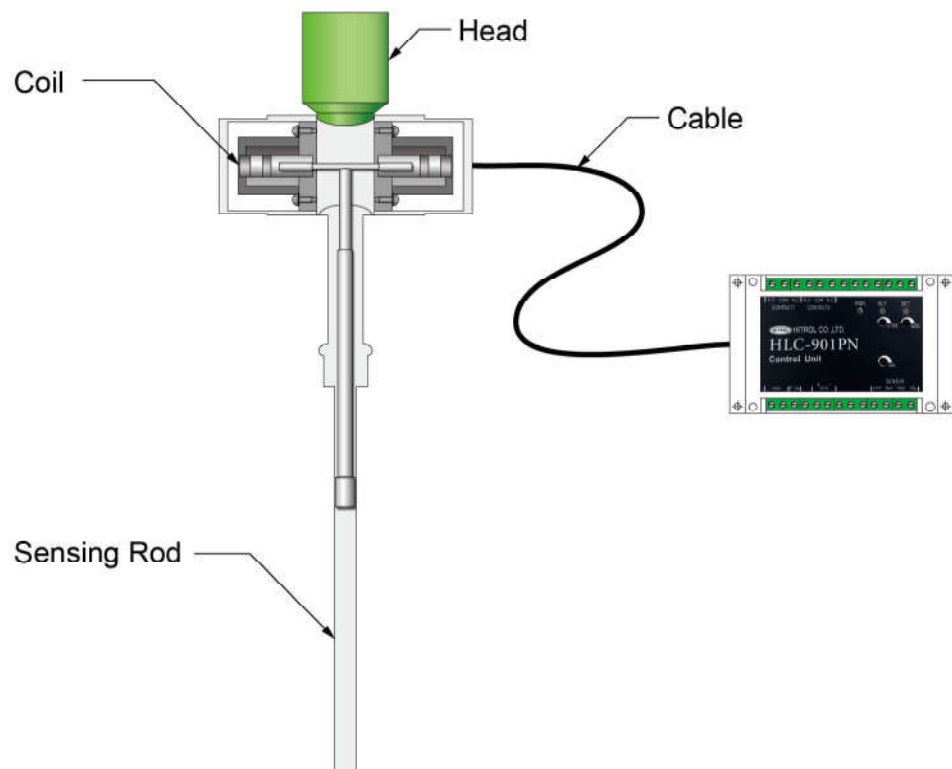
HTM-930N Series is a Vibration Type Level Switch which detects a level of medium with simple structure. Especially, it is basically used for EPS (Expandable Polystyrene) machine because it is applicable to Styrofoam which has very low density.

Characteristics

- Various kinds of solid and powder levels can be detected.
- Excellent performance for low or high density powder
- Long life cycle due to moveless parts
- No need to adjust sensitivity according to measuring material
- Available the Prevention function for Wave Chattering
- Applicable to low density powder

Operating Principle and Composition

- The sensor is composed of one module consisting of oscillator coil and induction coil. When the medium does not contacted with the sensing probe, the sensor is continuously vibrated by oscillator coil. However, as soon as the medium touches the probe, vibrating frequency and output from the induction coil are significantly decreased, and relay output signal is activated by the controller. It can be used for alarm and process control.







Specification

► Sensor

Model	HTM-930N
Installation	Side or Top
Type	Remote
Ambient Temperature	-20°C ~ +60°C
Process Temperature	Max. 250°C
Process Pressure	Up to 10kg/cm ²
Enclosure	Weather Proof (IP65)
Applications	Styrofoam, Solid, Powder, etc.
Process Connection	PT 3/4" / SUS 304
Wetted Part	SUS 316L

► Combination Unit

Model	HLC-901LN	HLC-901PN
Installation	Local	Panel Inside
Ambient Temperature	-20°C ~ +60°C	
Power Source	AC 90~240, 50 ~ 60Hz	
	DC 24V (opt.)	
Contact Form	DPDT	
Contact Rating	AC 250V 5A, DC 30V 5A	
Enclosure	Weather Proof (IP54)	-
Housing Material	Aluminum	-
Cable Entry	PF 3/4" (F) (std.)	Terminal Block
Appearance		

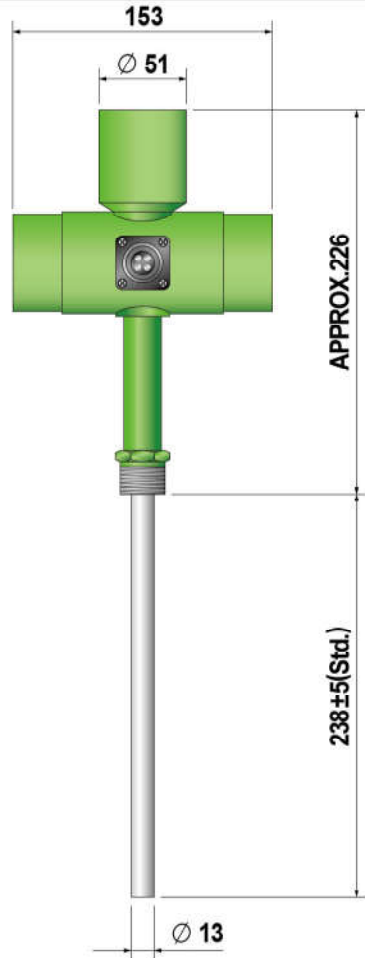
► **Order Code** can be printed at our website (www.hitrol.com)



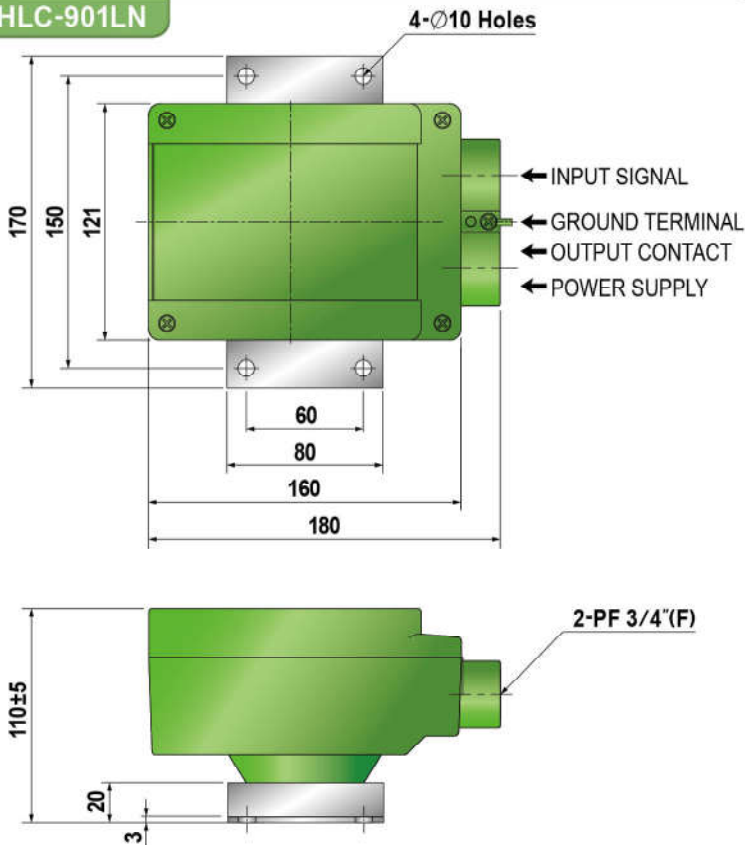
Dimension

Level Switch

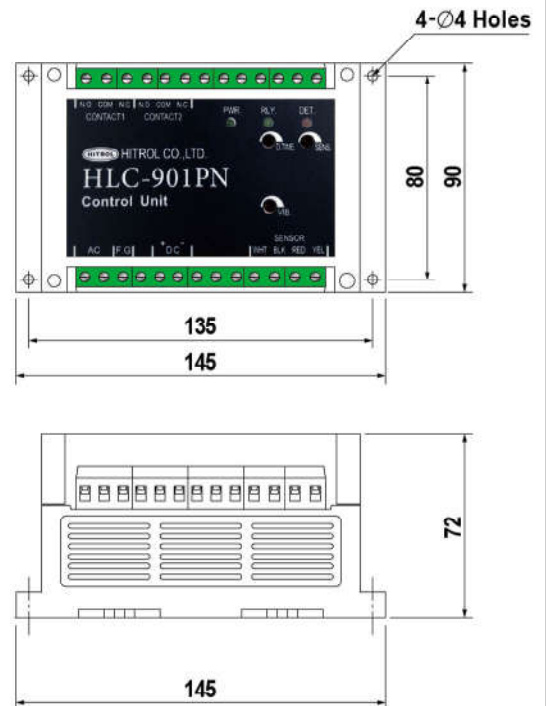
HTM-930N Series



HLC-901LN



HLC-901PN

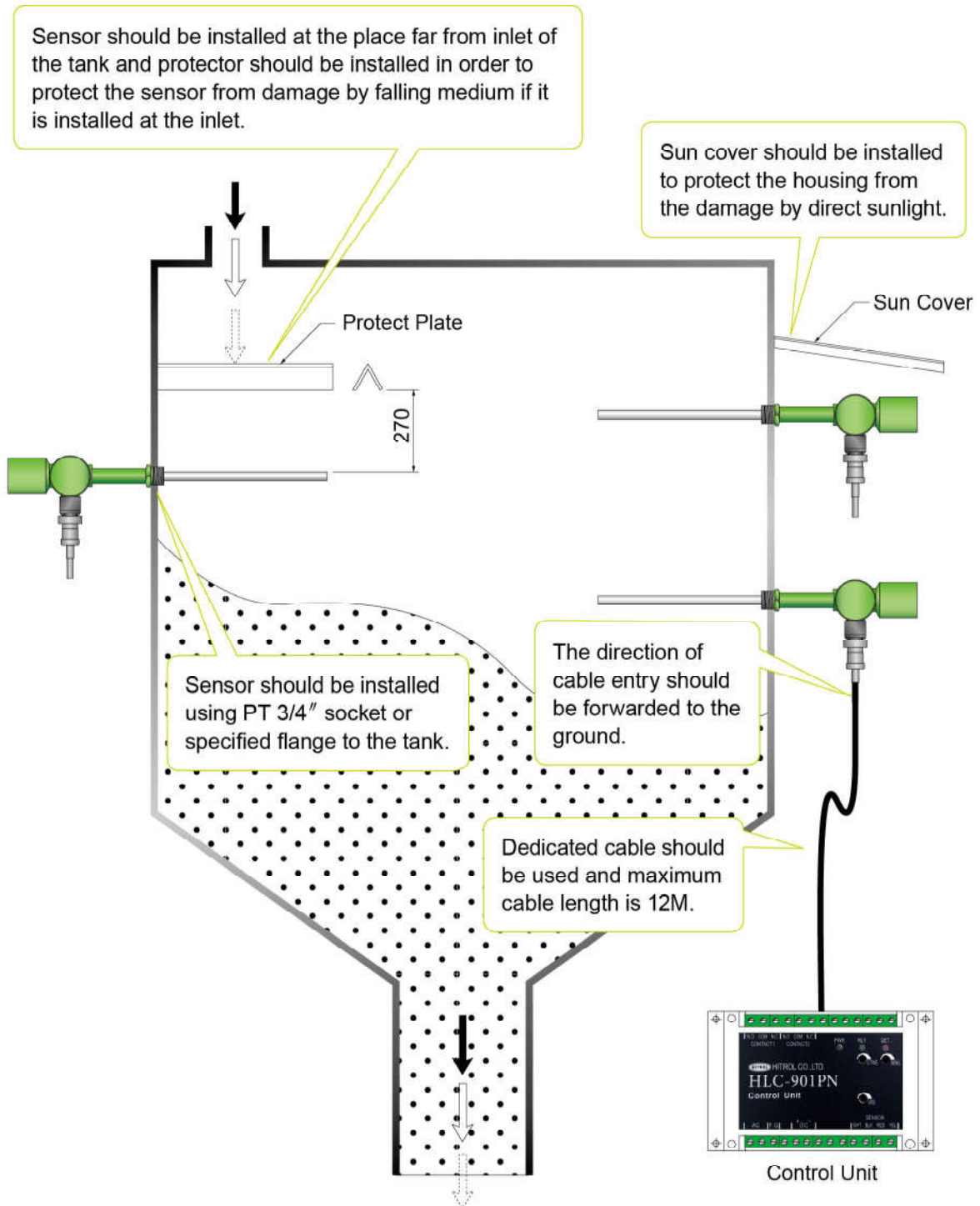


■ Actual product may have a tolerance slightly.



Installation

▼ Below recommendation should be considered when installation.

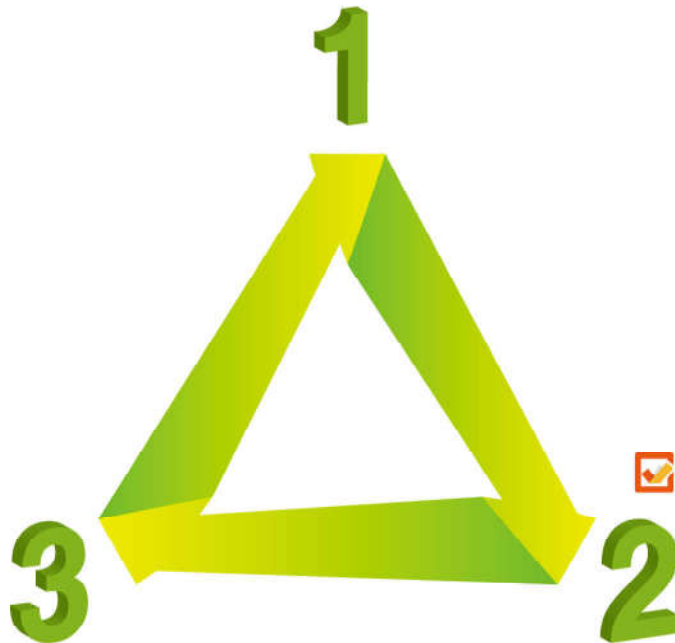




HTM-930N Series

Level Switch

Unique technology product



*Applicable to
low density powder*

*Available
the Prevention function
for Wave Chattering*

* Design of product can be changed for upgrade without notice.