VIBRATION TYPE LEVEL SWITCH

# HTM-930N Series











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# Overview

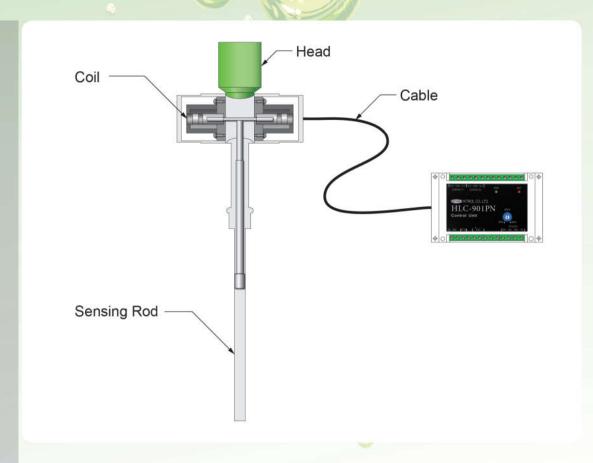
HTM-930N Series is a Vibration Type Level Switch which detects a level of medium with simple structure. Especially, it is basically used for EPS (Expandable Polystyrene) machine because it is applicable to Styrofoam which has very low density.

## 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

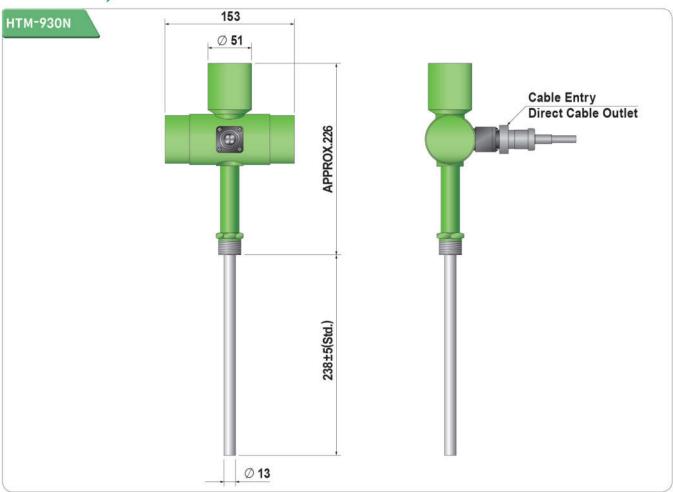
Model	HTM-930N	
Installation	Side or Top	
Туре	Remote	
Ambient Temperature	-20°C ~ +60°C	
Process Temperature	Max. 250°C	
Process Pressure	Up to 10kg/cm²	
Enclosure	Weather Proof (IP65)	
Applications	Styrofoam, Solid, Powder, etc.	
Process Connection	PT 3/4"/ SUS 304	
Wetted Part	SUS 316L	

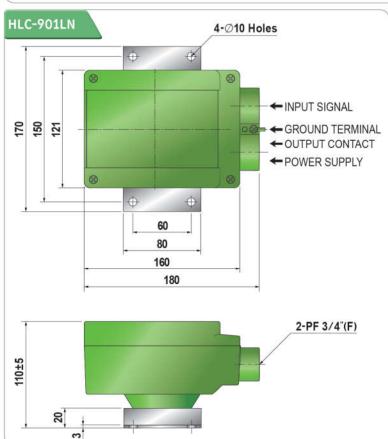
# ► Combination Unit

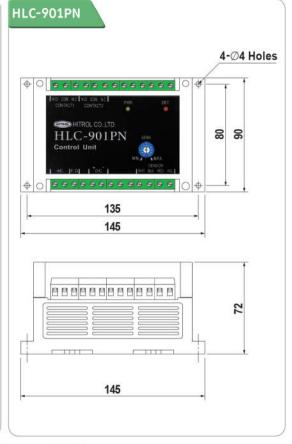
Model	HLC-901LN	HLC-901PN
Installation	Local	Panel Inside
Ambient Temperature	-20°C ~ +60°C	
Power Source	AC 90 ~ 240V 50 / 60Hz , AC / DC 24V	
Contact Form	DPDT	
Contact Rating	AC 250V 5A, DC 30V 5A	
Enclosure	Weather Proof (IP54)	÷
Housing Material	Aluminum	-
Cable Entry	PF 3/4"(F) (std.)	Terminal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

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

# **Dimension**

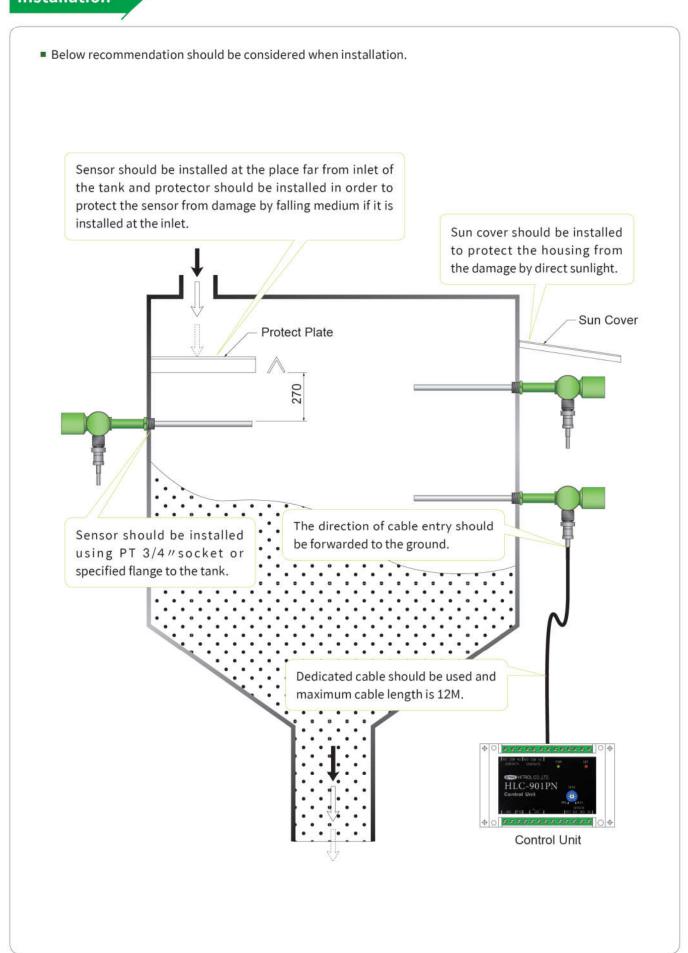






Actual product may have a tolerance slightly.

# Installation





Applicable to low density powder

Prevention of malfunction caused by Wave Chattering





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