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**VIBRATION TYPE LEVEL SWITCH** 

# **HTM-930N Series**













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**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.



- 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.

# Coil Cable Sensing Rod

# **Specification**

### **▶** Sensor

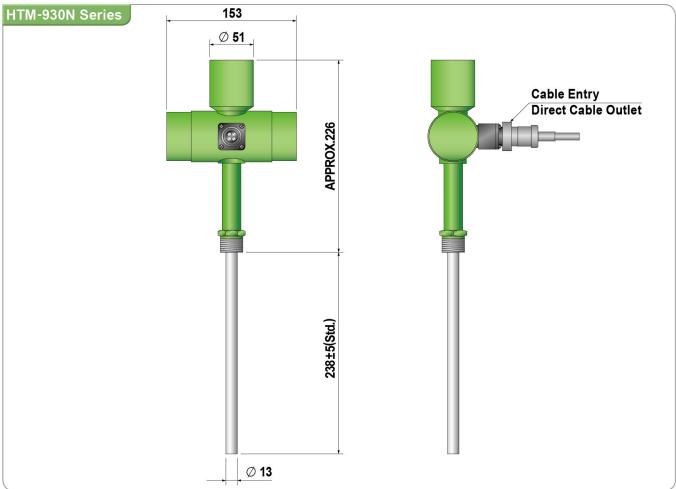
Model	HTM-930N	
Installation	Side or Top	
Туре	Remote	
Ambient Temperature	-20°C ~ +60°C	
Process Temperature	Max. 250°C	
Process Pressure	Up to 10kg/cm <sup>2</sup>	
Enclosure	Weather Proof (IP65)	
Applications	Styrofoam, Solid, Powder, etc.	
Process Connection	PT 3/4" / SUS 304	
Wetted Part	SUS 316L	

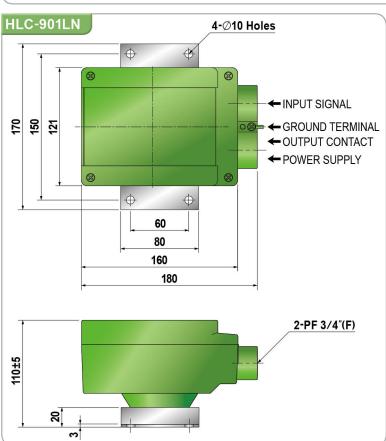
### ► Combination Unit

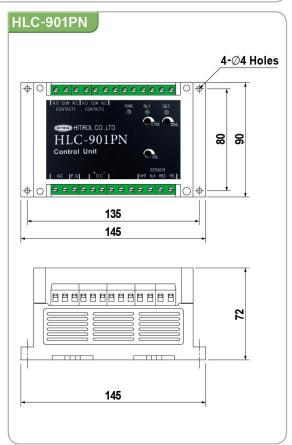
Model	HLC-901LN	HLC-901PN	
Installation	Local	Panel Inside	
Ambient Temperature	-20°C ~ +60°C		
Power Source	AC 90~240, 50 ~ 60Hz		
	DC 24V (opt.)		
Contact Form	DPDT		
Contact Rating	AC 250V 5A, DC 30V 5A		
Enclosure	Weather Proof (IP54)	-	
Housing Material	Aluminum	-	
Cable Entry	PF 3/4"(F) (std.)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

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

# **Dimension**

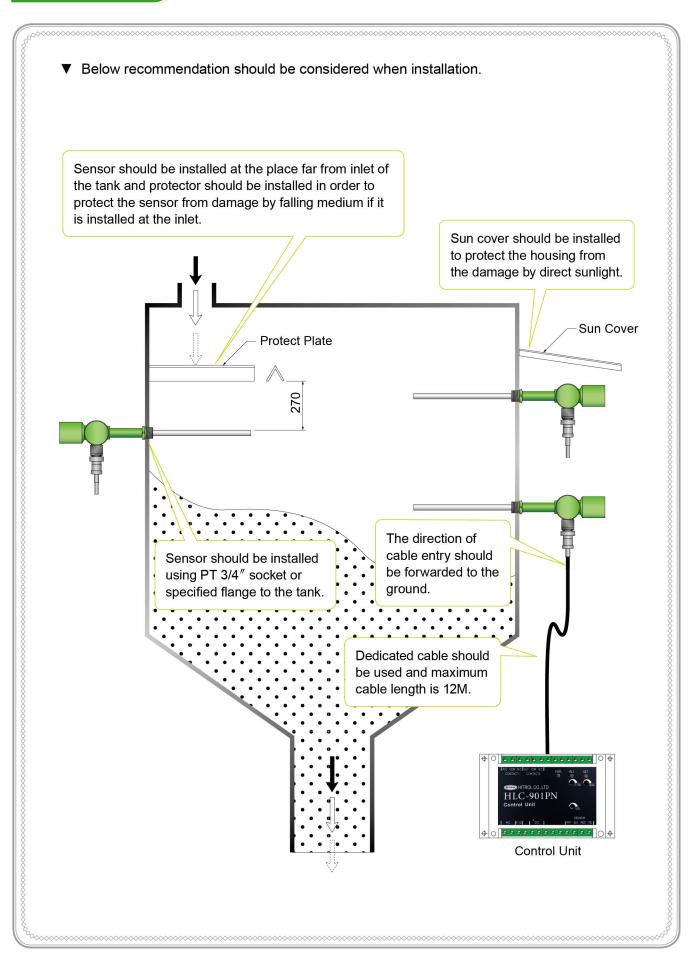


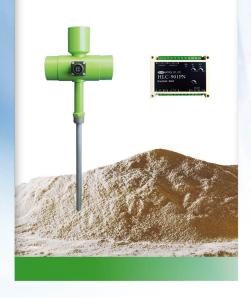




■ Actual product may have a tolerance slightly.







# **HTM-930N Series**

☑ Unique technology product Applicable to low density powder

Available the Prevention function for Wave Chattering