

VIBRATION TYPE LEVEL SWITCH

# HTM-930 Series



2 YEARS WARRANTY



ISO 9001



ISO 14001

ASME



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Always The Best Solution

**HITROL CO., LTD.**

## Overview

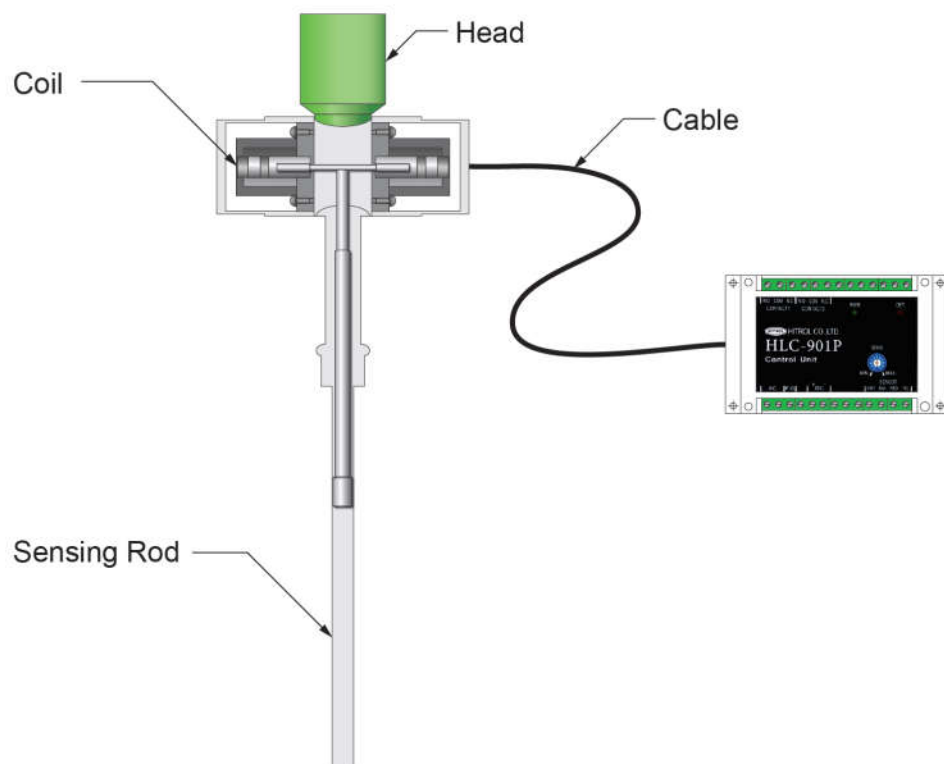
HTM-930 Series is a Vibration Type Level Switch which detects a level of medium with simple structure. Especially, it is basically used for EPS (Expandable Polystyrene) machine because it is applicable to Styrofoam which has very low density.

## 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

## Operation 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-930
Installation	Side or Top
Type	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

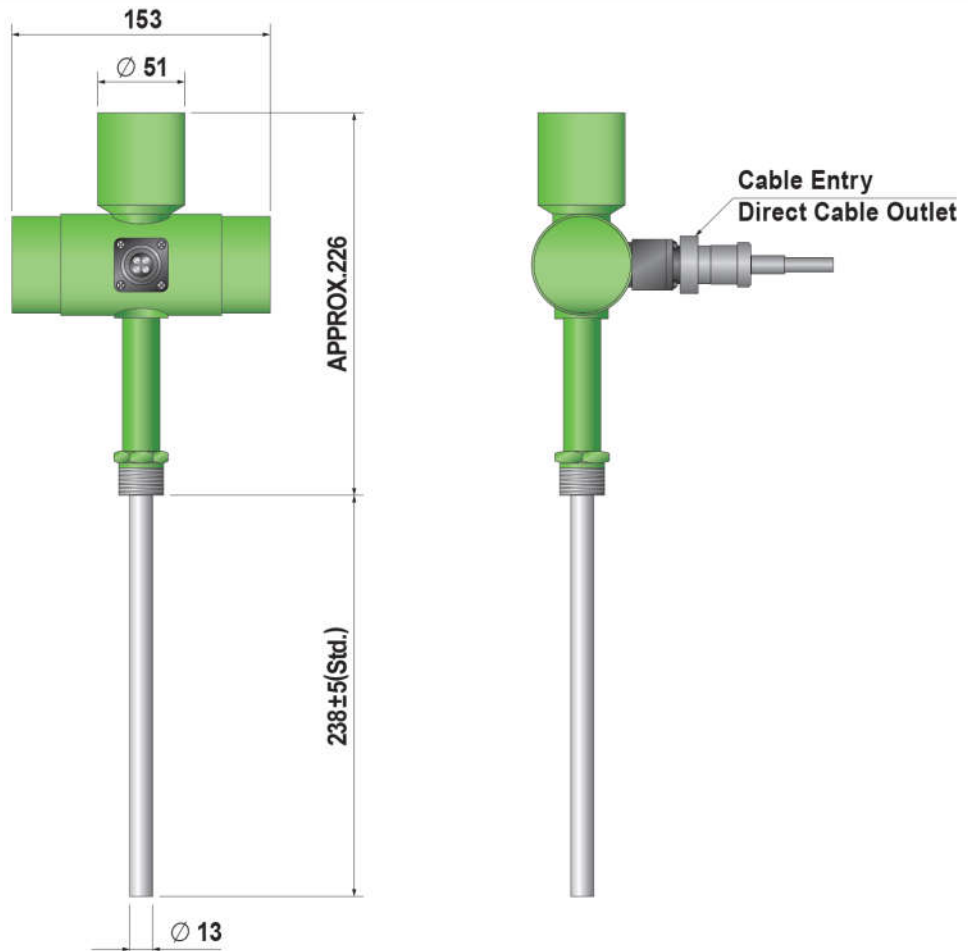
### ► *Combination Unit*

Model	HLC-901L	HLC-901P
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](http://www.hitrol.com))

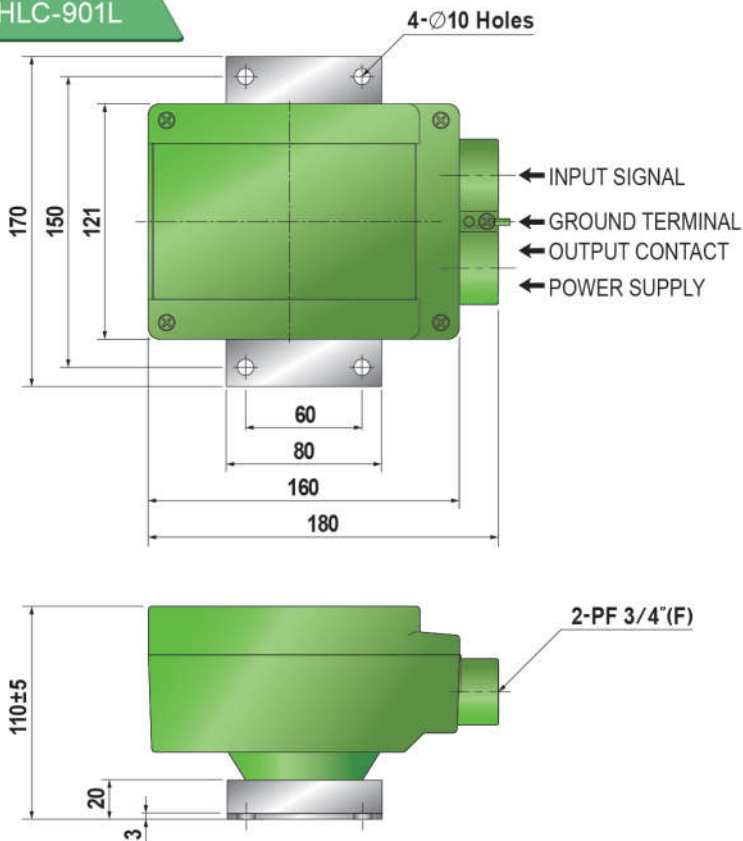
## Dimension

### HTM-930 Series

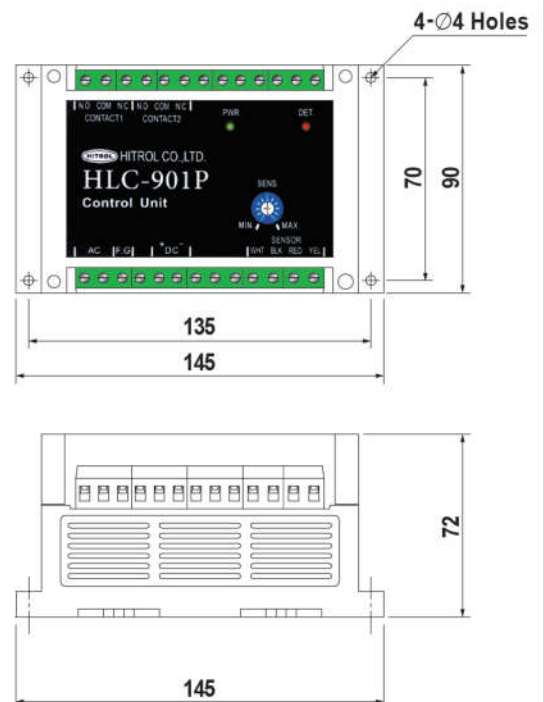


Level Switch

### HLC-901L



### HLC-901P



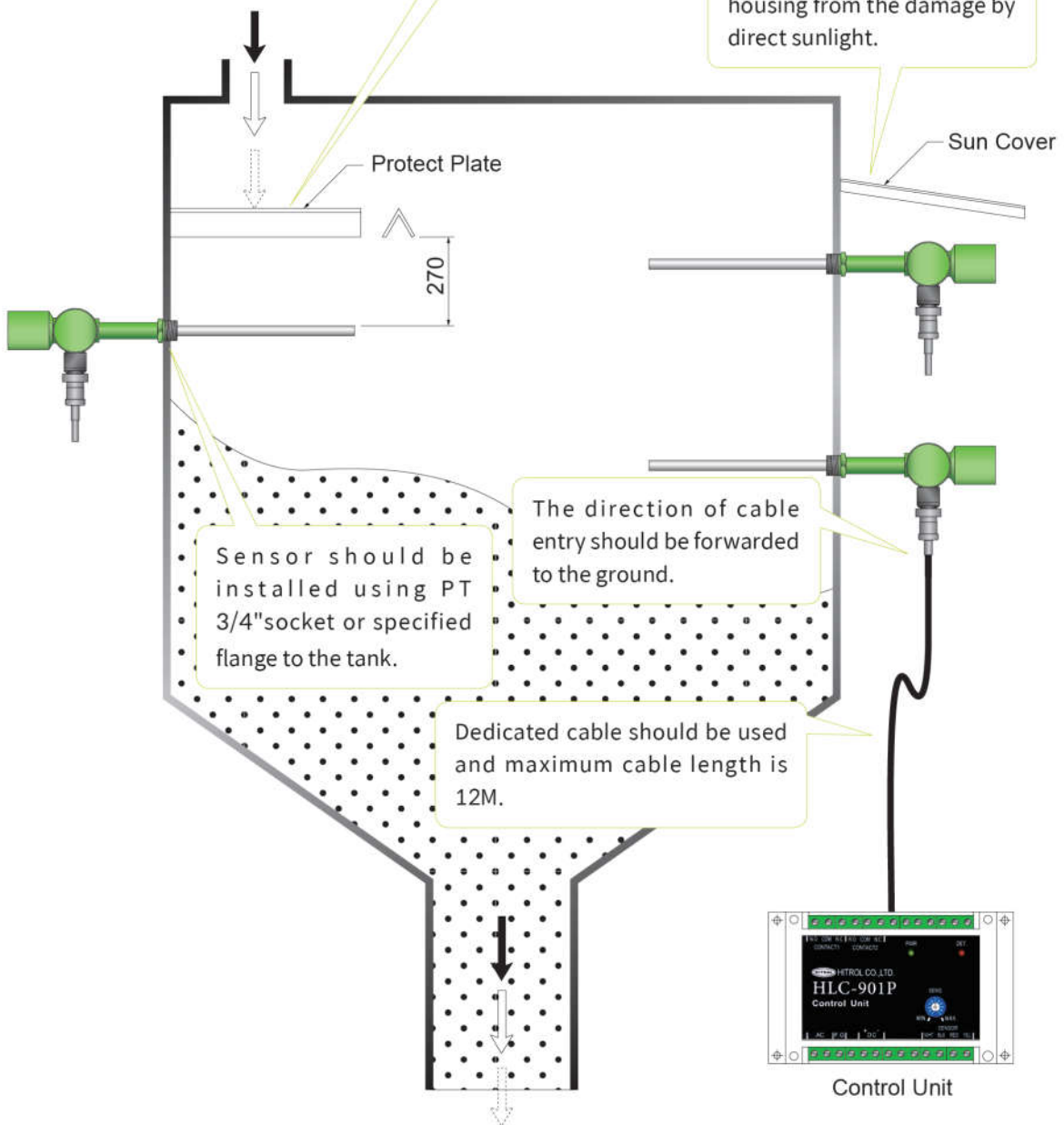
■ Actual product may have a tolerance slightly.

## Installation

- Below recommendation should be considered when installation.

Sensor should be installed at the place far from inlet of the tank and protector should be installed in order to protect the sensor from damage by falling medium if it is installed at the inlet.

Sun cover should be installed to protect the housing from the damage by direct sunlight.






VIBRATION TYPE LEVEL SWITCH

## HTM-930 Series

01 Unique technology product

02 Applicable to low density powder

03 Prevention of malfunction caused by Wave Chattering

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