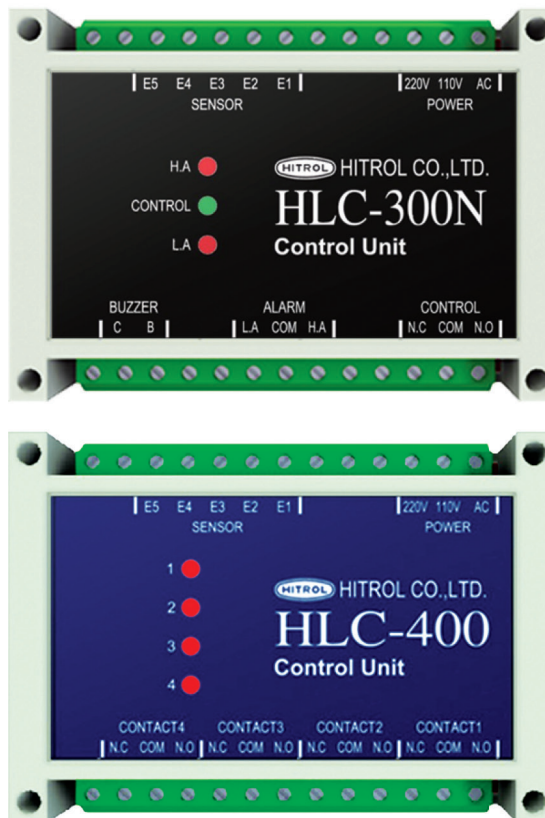


PANEL TYPE CONTROL UNIT

HLC Series



2 YEARS WARRANTY



ASME



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HITROL CO., LTD.

Overview

HLC Series is a level control & alarm unit to be combined with a level sensor (HE, HQ, HR Series) for storage tank, functioning of control and alarm. Through the HLC Series, the signal from the level sensor can be used for alarm of high and/or low level of the liquid and control of the automatic filling or discharging of the liquid in the tank, and it can be installed on the control panel.

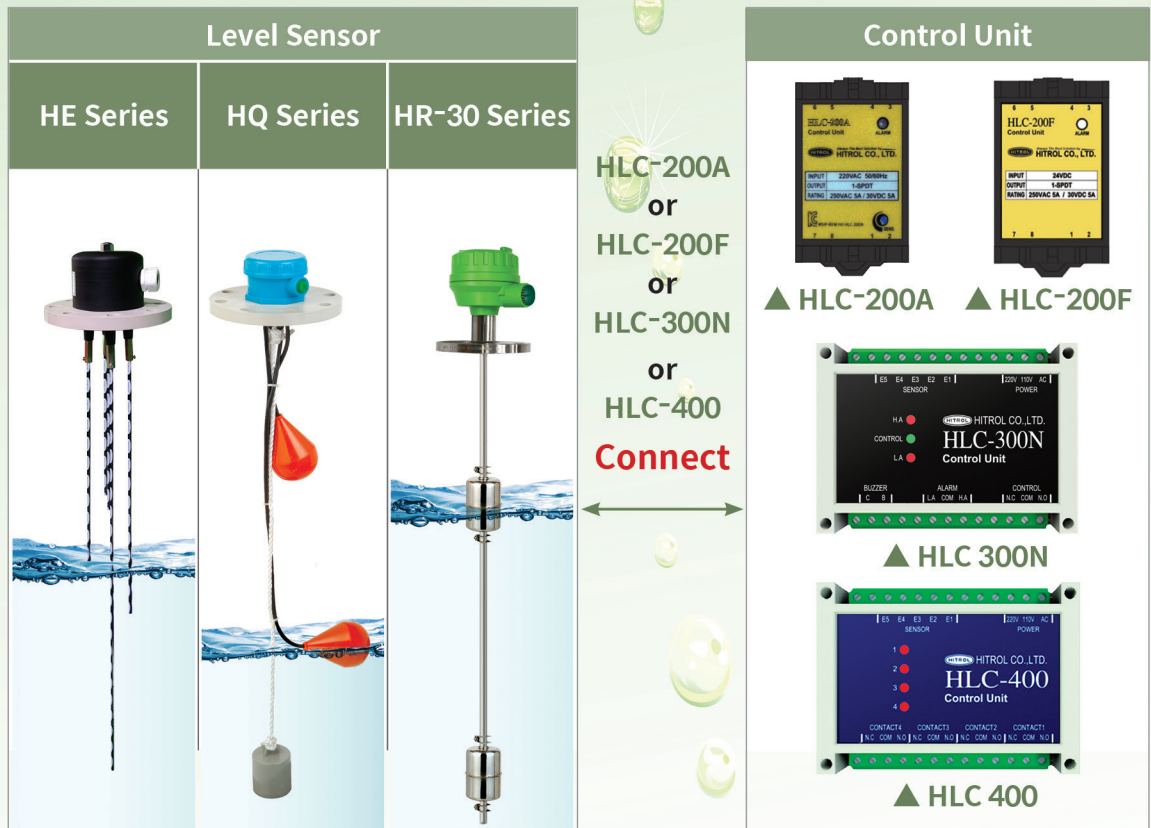
Characteristics

- Easy to install for controlling of liquid levels in various tank
- Compact Size (HLC-200A)
- Easy to install DIN Rail or bolting type
- Socket structure type for freely detachment (HLC-200A)
- Operating can be checked through the LED Lamp
- Sensitivity can be adjusted at the site if the sensor is too much sensitive to the conductivity or foam of the liquid (HLC-200A)
- Available with maximum alarms (4-SPDT with HLC-400)
- Available with DC 24V (HLC-200F)

Operation Principle and Composition

When the level switch connected to HLC Series detects a liquid in the tank, a leakage current flow and it is sensed by leakage current sensing circuit, and transistor is activated. Accordingly, relay contact is changed and it can be used for alarm and/or control signal.

PANEL TYPE CONTROL UNIT HLC Series



Specification

► General Specification (HLC-200A / HLC-200F)

Model	HLC-200A	HLC-200F
Installation	Panel Inside (DIN Rail or Bolting)	
Ambient Temperature	-20°C ~ +70°C	
Power Source	AC 110 or 220V @ 50/60Hz	DC+24V @ DC+21V ~ DC+30V
Standby Power Consumption	AC110V @ 0.5W / AC220V @ 0.8W	DC+24V @ 0.48W
Output Voltage	AC 14V	DC+22V
Active Power Consumption	AC110V @ 1.4W / AC220V @ 2W	DC+24V @ 1.1W
Relay Contact	1-SPDT	
Relay Contact Rated	AC 250V / 5A, DC 30V / 5A Max.	
Weight	Body : 200g / Socket : 70g / Total : 270g	Body : 120g / Socket : 70g / Total : 190g
Housing Material	Body (Flame Retardant ABS) / Socket (PBT Glass)	
Approvals	KC	-

► General Specification (HLC-300N)

Model	HLC-300N
Installation	Panel Inside (DIN Rail or Bolting)
Ambient Temperature	-20°C ~ +60°C
Power Source	AC 110 / 220V @ 50 / 60Hz
Standby Power consumption	AC 110V @ 1.14W / AC 220V @ 1.1W
Active Power Consumption	AC 110V @ 6.2W / AC 220V @ 7W
Relay Contact	Alarm & Buzzer - 2-DPST / Control - 1-SPDT
Relay Contact Rated	AC 250V / 5A, DC30V / 5A
Weight	325g
Housing Material	ABS

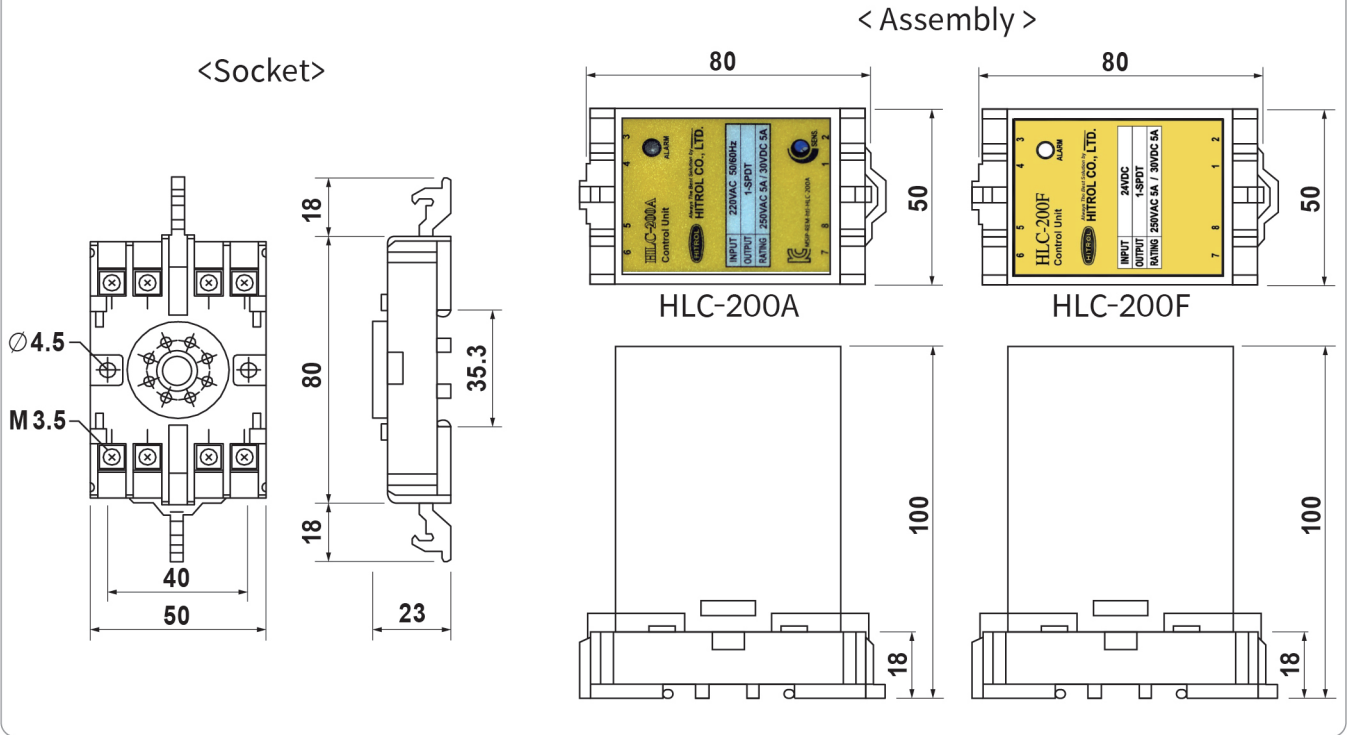
► General Specification (HLC-400)

Model	HLC-400
Installation	Panel Inside (DIN Rail or Bolting)
Ambient Temperature	-20°C ~ +60°C
Housing Material	ABS
Power Source	AC110V / AC220V @ 50/60Hz
Standby Power Consumption	AC 110V @ 1.26W / AC 220V @ 1.23W
Active Power Consumption	AC 110V @ 6.8W / AC 220V @ 8W
Relay Contact	4 Alarm ■ 4-SPDT
Relay Contact Rated	AC 250V/10A, DC30V/10A
Weight	325g

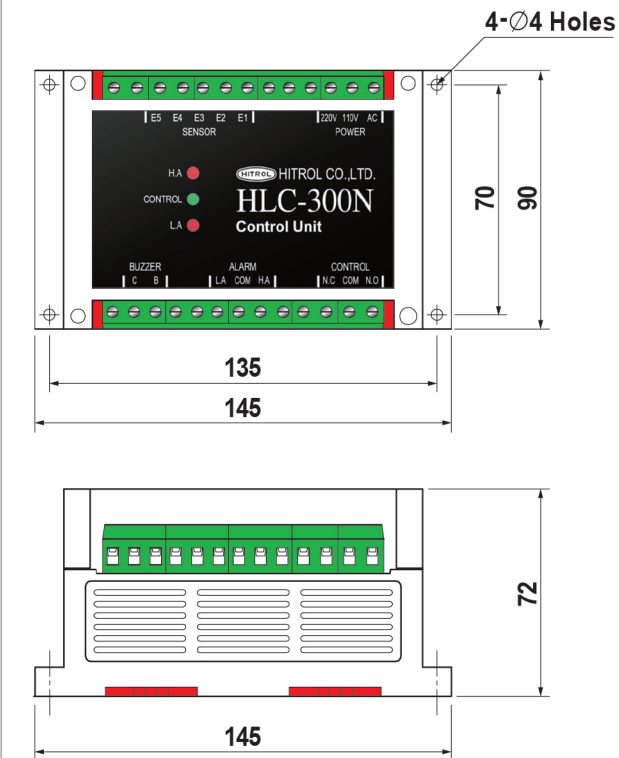
► **Order Code** can be printed at our website (www.hitrol.com)

Dimension

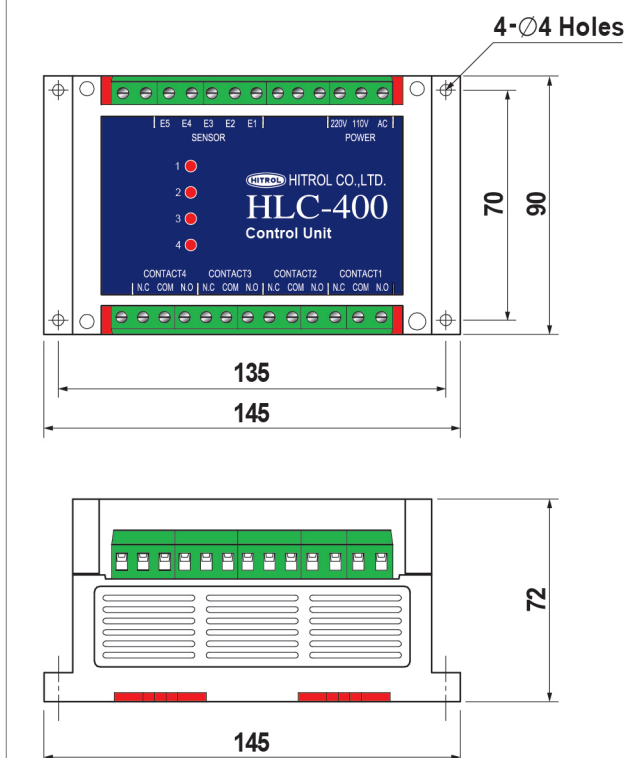
HLC-200A | HLC-200F



HLC-300N



HLC-400

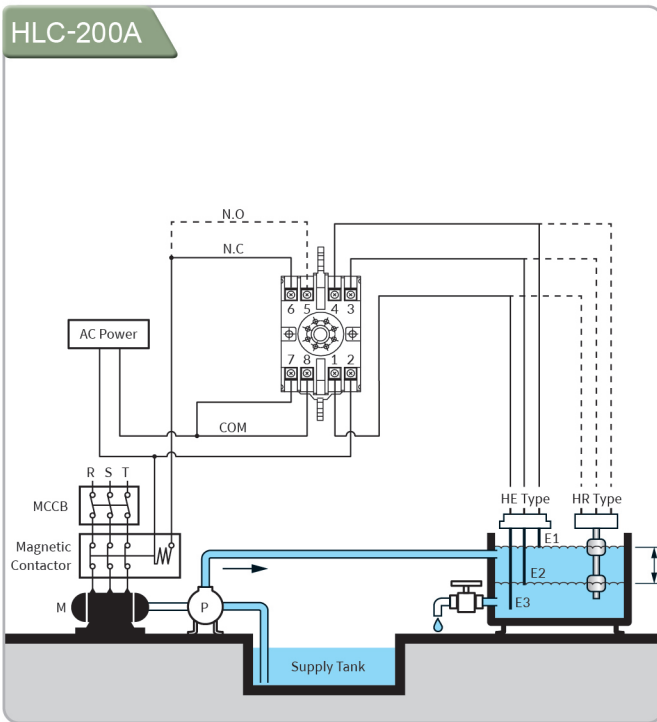


Control Unit

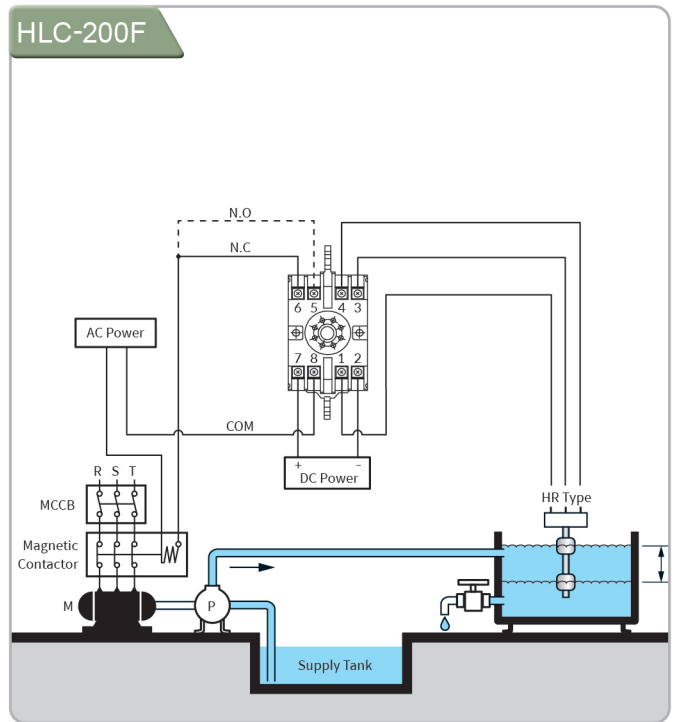
■ Actual product may have a tolerance slightly.

Connection Diagram

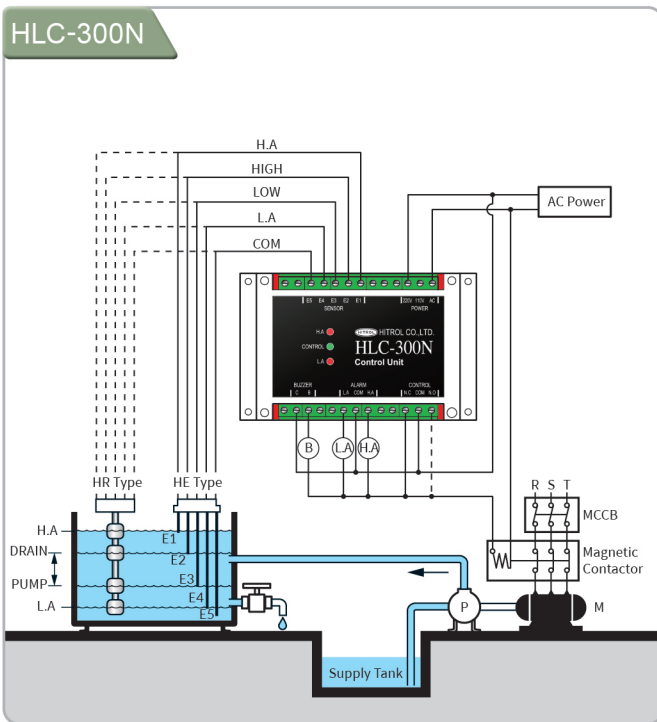
HLC-200A



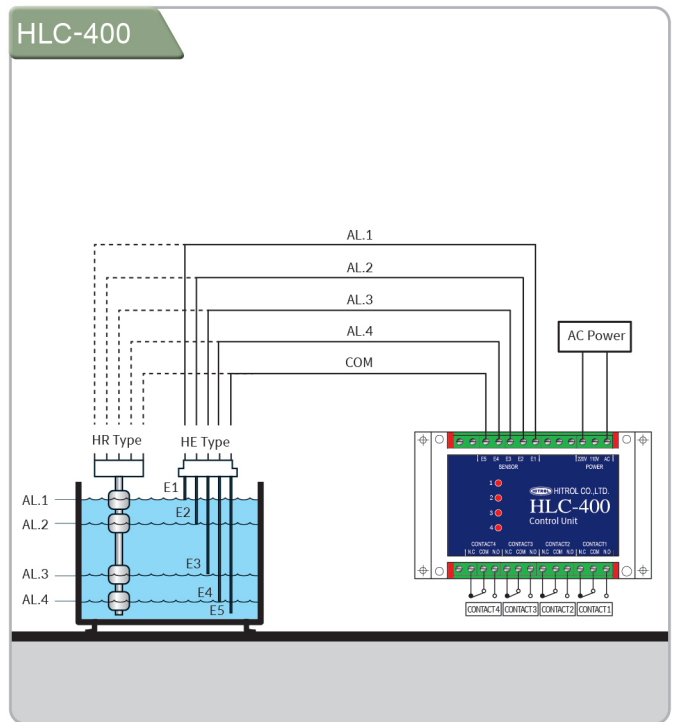
HLC-200F



HLC-300N



HLC-400



PANEL TYPE CONTROL UNIT

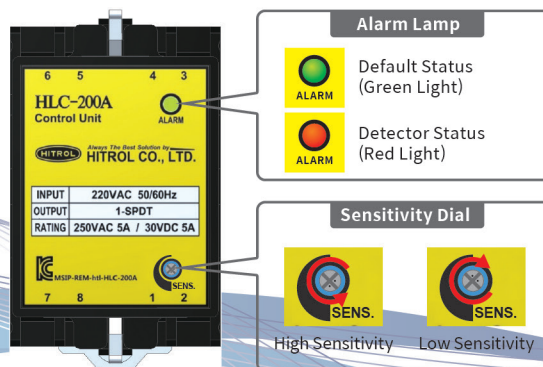
HLC Series

01 Compact Size (HLC-200A, HLC-200F)

02 Easy to install DIN Rail or Bolting Type

03 Operating can be checked with LED Lamp

04 Adjustment of Sensitivity depending on the medium is available (HLC-200A)



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