DAEHAN SENSOR

Digital Liquid Indicate
with level controller

DEC – Series
Level Indicator with Relay Output

Product Name
DEC – 5U – 2WN



INNOBIZ

ISO 9001 인증업체

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Introduction

This DEC-5U-2WN Series Level Controller gets signal from each point of the sensor installed in the tank and displays the level of the liquid in the tank as points.

Using a converter for 2-wire transmission, this changes contact signal to current.

LED display enables you to read the current status correctly and easily.

This is designed to control two alarms and one of control which activates the connected pump.

In the mode of supply, when the liquid goes down to reach LOW ALARM set point, LOW ALARM truns on.

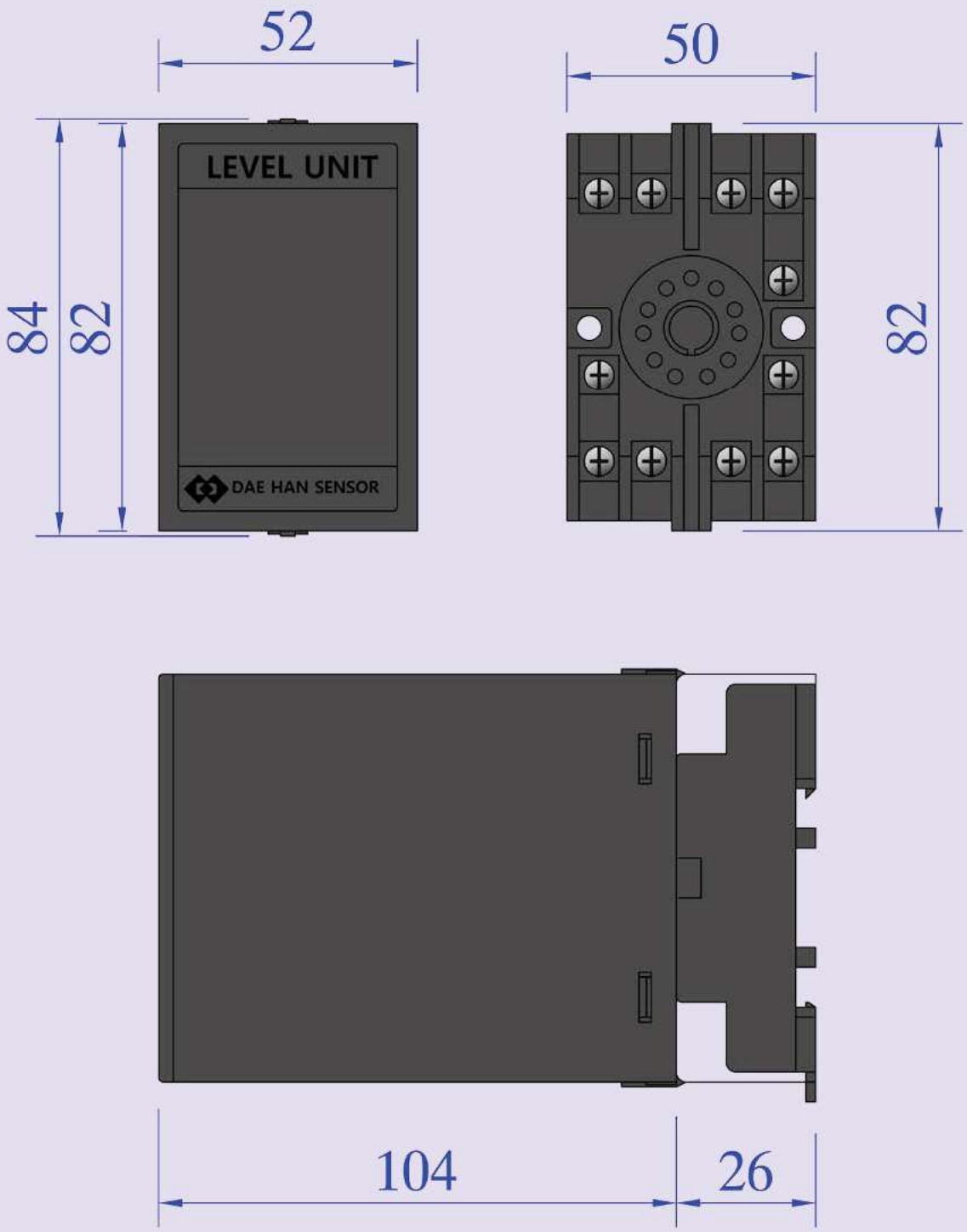
And this activates the connected device. When the level goes up, and does not stop at STOP set point, HIGH alarm truns on, and this activates the connected device.

You can choose a mode of supply or drainage.

Specification

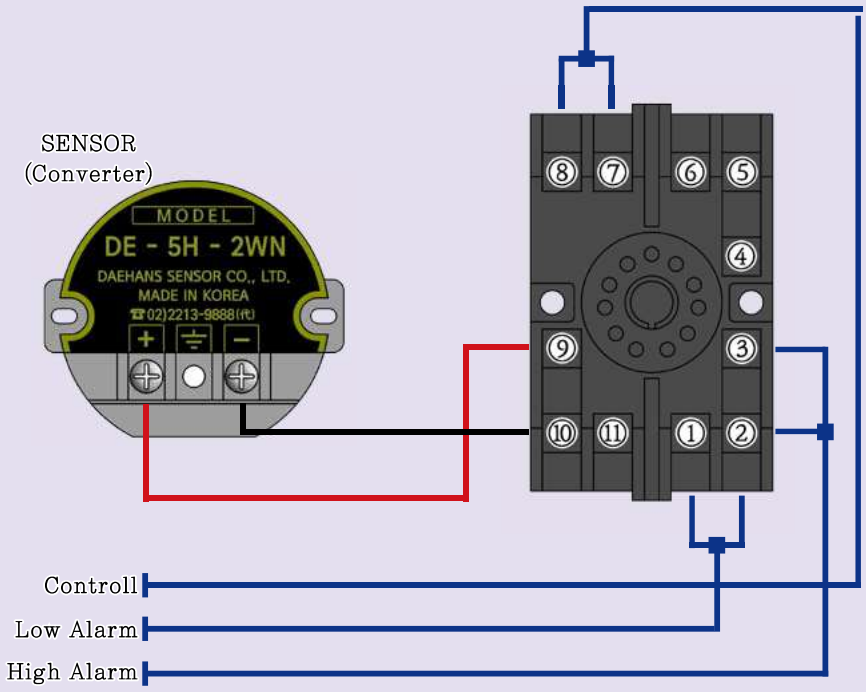
- ▶ Power Supply ---------- AC110V / 220V ±10%, 50/60Hz
- ▶ Operating Temperature ---------- 0℃ ~ 60℃
- ▶ Dimensions ---------- 87mm (Wide) x 155mm (High) x 69mm (Deep)
- ▶ Material ---------- Polycabonate & A.B.S
- ▶ Max. Switching Current Capacitor ---------- 1250VA, 150W
- ▶ Max. Switching Volatge ---------- 250VDC, 30VDC
- ▶ Max. Switching Current ---------- 5A

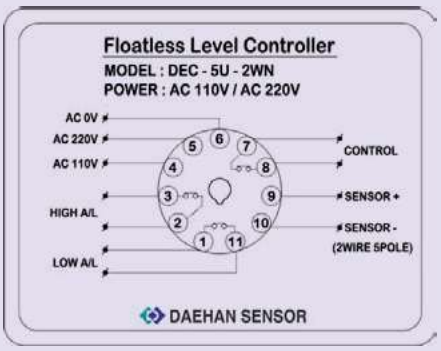
Dimensions



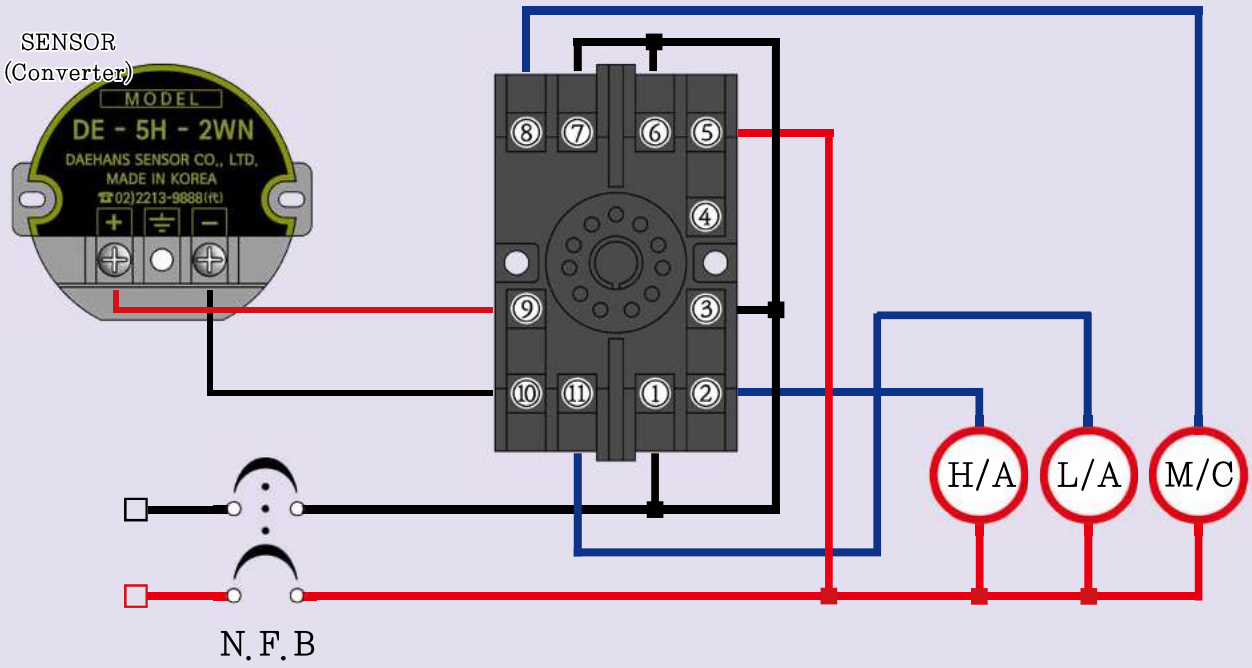
Wiring Connection

Wiring to a [Two Wire – Current Loop]



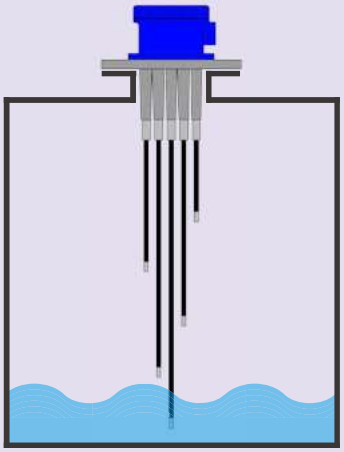


Terminal – Features & description

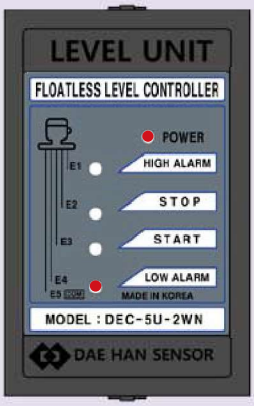


Display Operation

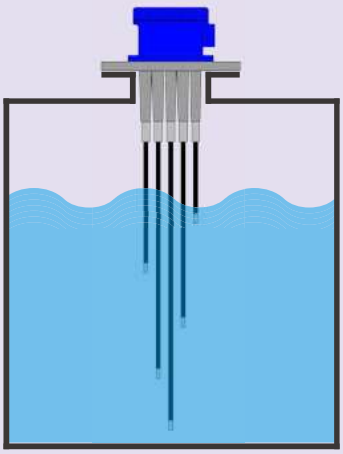
1. Low Level Display



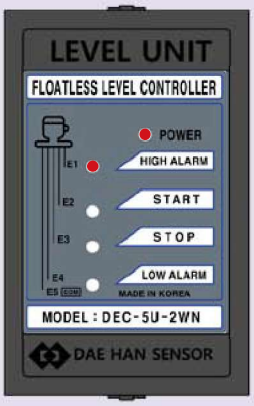
When the liquid level goes Down to reach the LOW/A point, the LOW/A indcator turns on. At the same time, the LOW/A contact signal activates the connected buzzer and purmp.



2. High Level Display

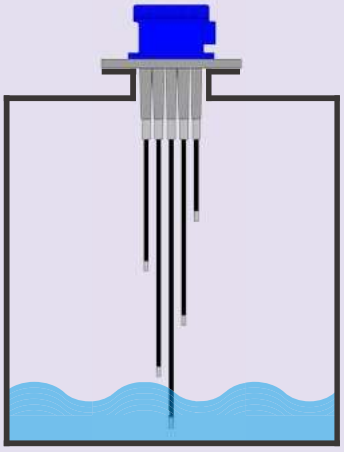


When the liquid level goes Up to reach the HIGH/A point, the HIGH/A indcator turns on. At the same time, the HIGH/A contact signal activates the connected buzzer and purmp.

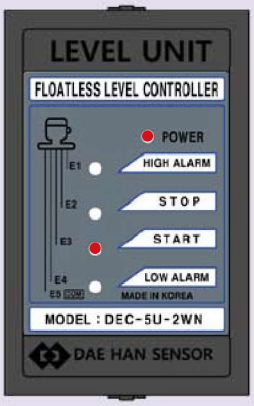


Display Operation

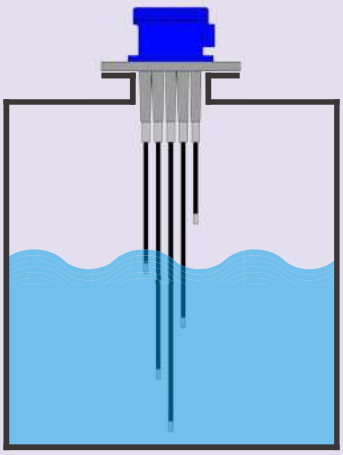
1. Supply Control "On" Level Display



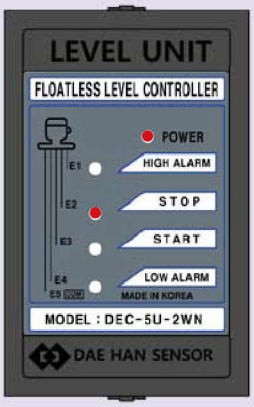
When the liquid level goes Down to reach the START point, the START indcator turns on. At the same time, the START contact signal activates the connected pump.



2. Supply Control "Off" Level Display

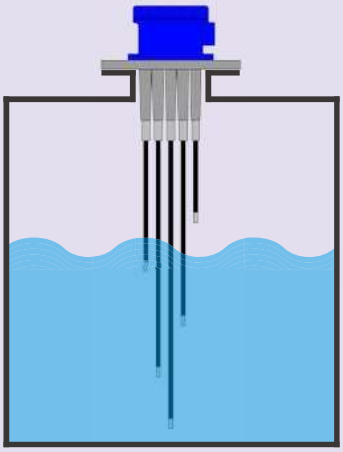


When the liquid level goes up to reach the STOP point, the STOP indcator turns on. At the same time, the CONTROL contact signal is not out and deactivates the connected pump.

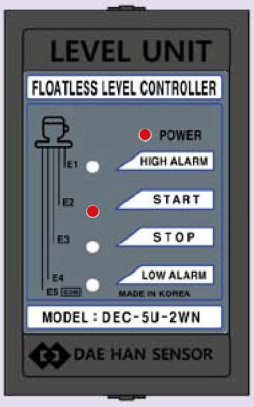


Display Operation

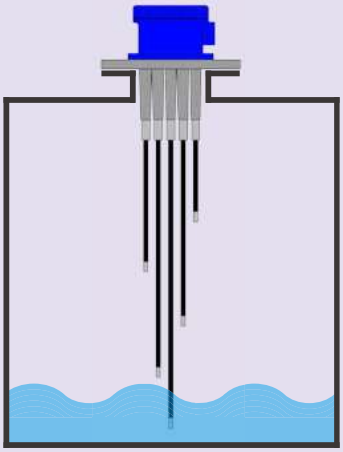
1. Drain Control "On" Level Display



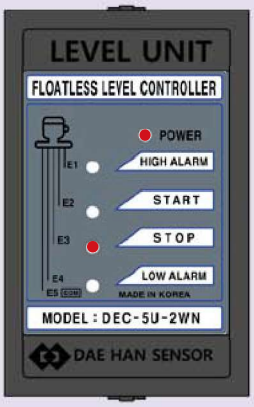
When the liquid level goes Up to reach the START point, the START indcator turns on. At the same time, the START contact signal activates the connected pump.



2. Drain Control "Off" Level Display



When the liquid level goes Down to reach the STOP point, the STOP indcator turns on. At the same time, the CONTROL contact signal is not out and deactivates the connected pump.



Check & A/S

If you find any abnormal system during operation, please try to check below points.

1. Is the power connected to AC110V or AC220V correctly?
2. Is the wiring to the sensor made correctly?
3. Is the contact with the relay built up through correct sequence?
4. Is the current input from the sensor correct?
5. Is there any malfuction around the unit?

If the trouble still exists, please kindly contact below.

* Installation and operation manual is subject to change without prior notice for quality improvement.

Head Office
94-2, Yongdap-dong, Seongdong-gu, Seoul, Korea

R&D Office
2-71, Jeonong-dong, Dongdaemun-gu, Seoul, Korea

Tel : 02-2213-9888(代) Fax : 02-2245-3482
e.mail : master@dh34.com Domain : www.dh34.com