

# DAEHAN SENSOR



Digital Liquid Indicate  
with level controller

DQC – Series  
Level Indicator with Relay Output

Product Name  
DQC – 3UN



ISO 9001 인증업체

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## Introduction

This DQC-3UN 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.

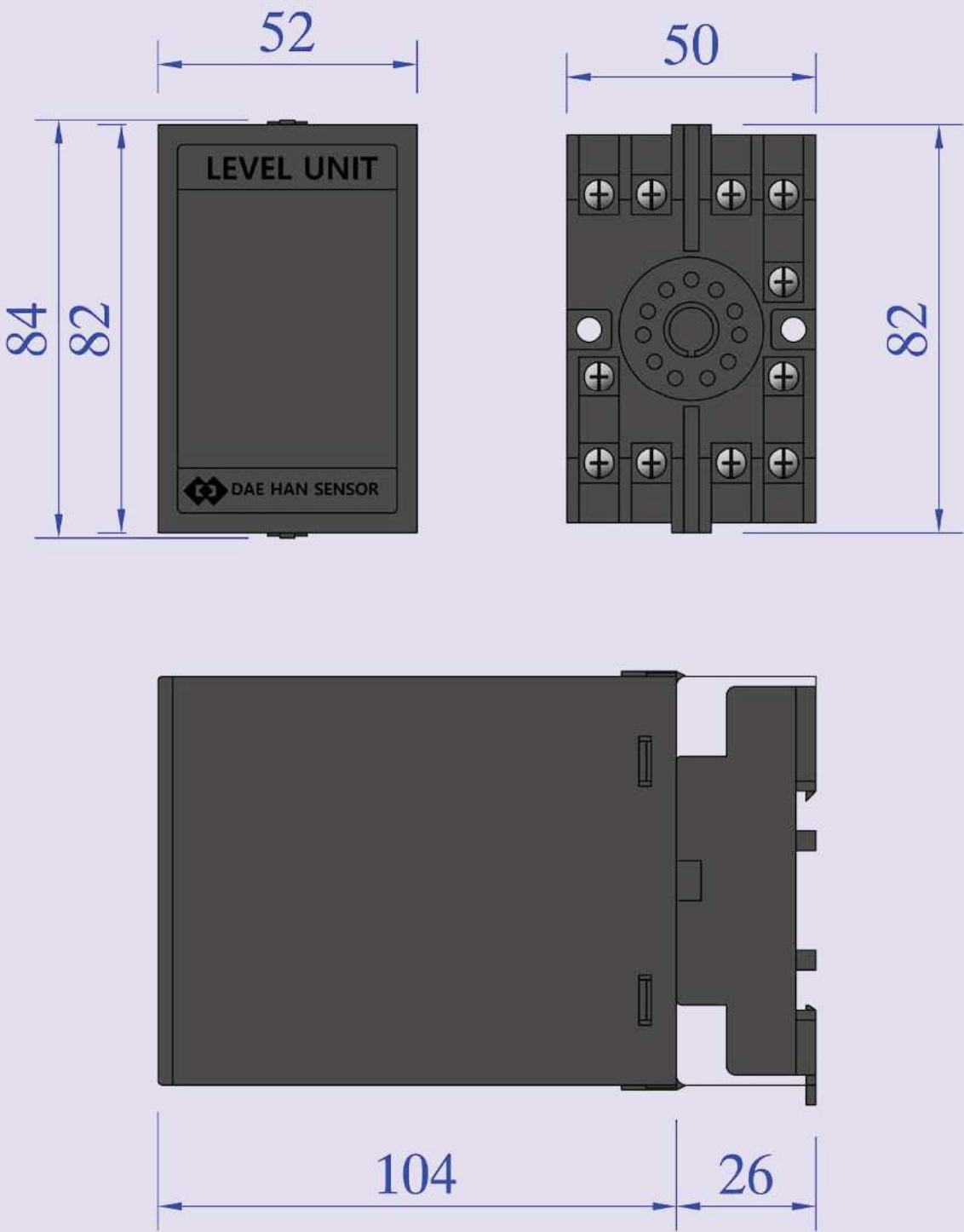
It is very much easy to install and do the wiring.

User can select Supply or Drain mode as per each circumstance.

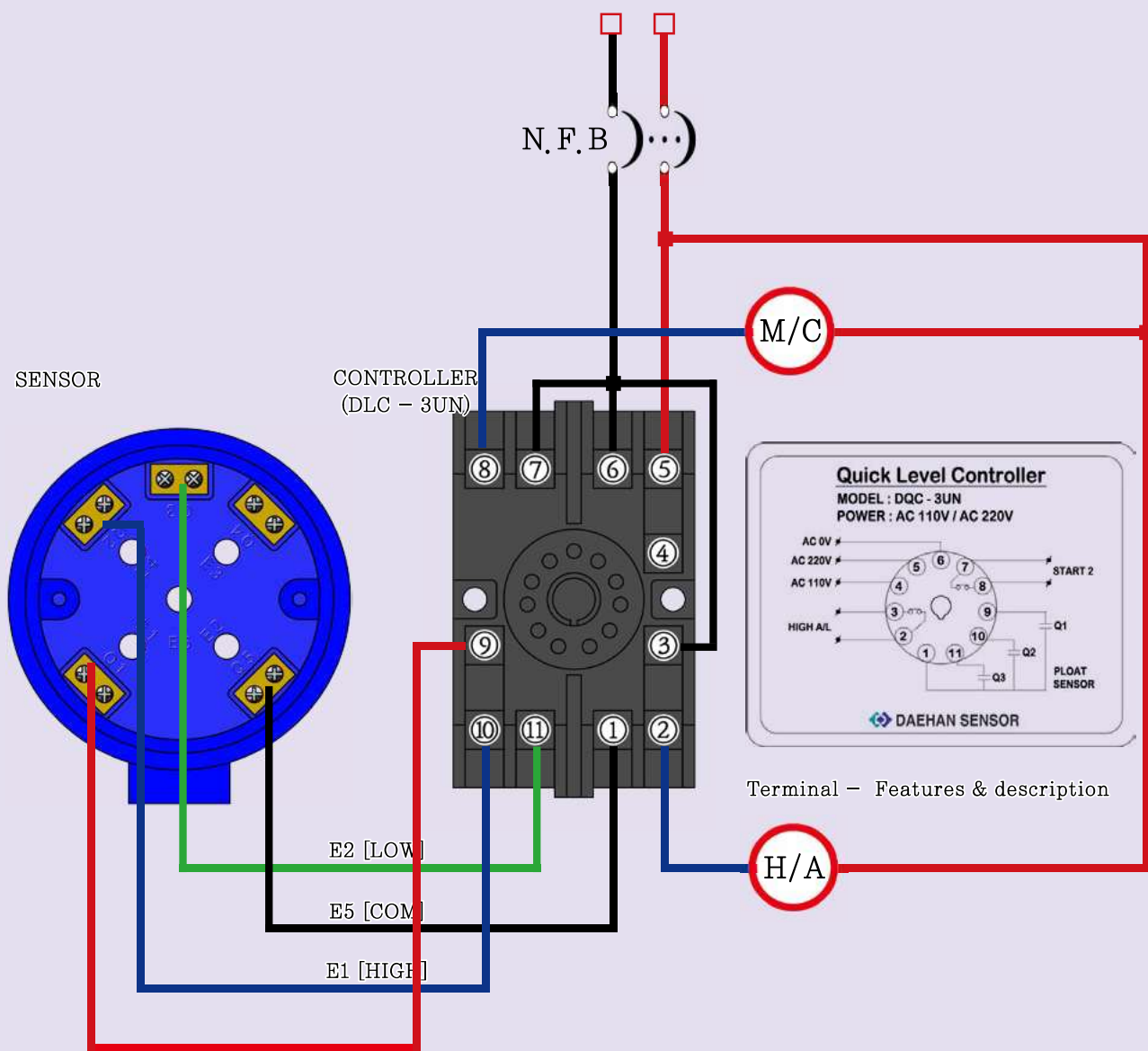
## Specification

- ▶ Power Supply ----- AC110V / 220V  $\pm 10\%$ , 50/60Hz
- ▶ Operating Temperature -----  $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- ▶ Dimensions ----- 87mm (Wide) x 155mm (High) x 69mm (Deep)
- ▶ Material ----- Polycarbonate & A,B,S
- ▶ Max. Switching Current Capacitor ----- 1250VA, 150W
- ▶ Max. Switching Voltage ----- 250VDC, 30VDC
- ▶ Max. Switching Current ----- 5A

Dimensions

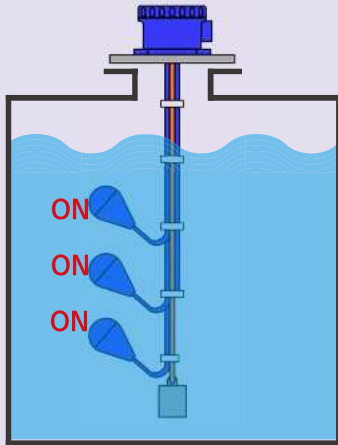


# Wiring Connection



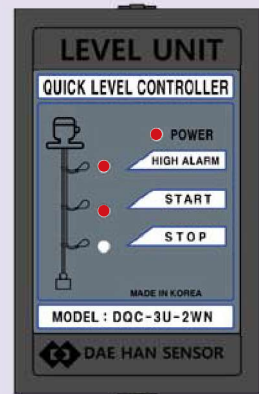
## Display Operation

### 1. Drain Mode – High Level Display

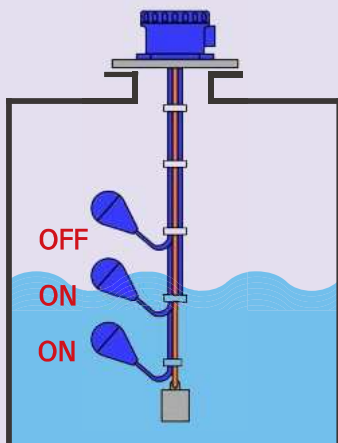


When the liquid level goes Up to reach the HIGH/A point, the HIGH/A & START indicator turns on.

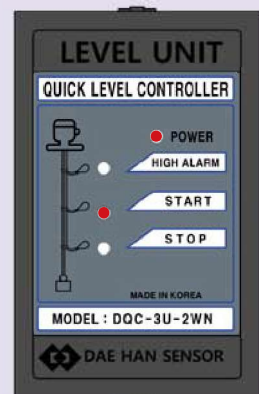
At the same time, the HIGH/A & START contact signal activates the connected buzzer and pump.



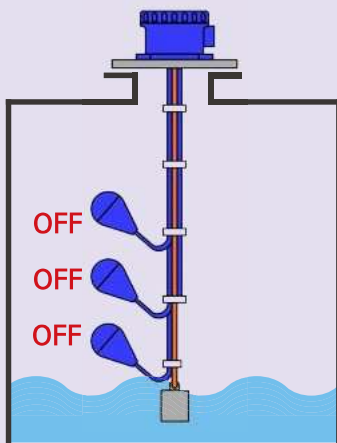
### 2. Drain Control "On" Level Display



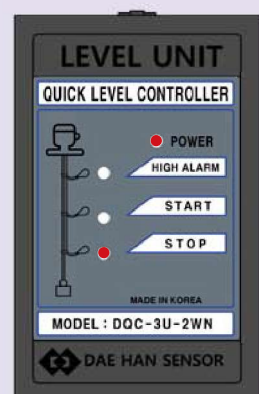
When the liquid level goes Up to reach the START point, the START indicator turns on. At the same time, the START contact signal activates the connected pump.



### 3. Drain Control "Off" Level Display

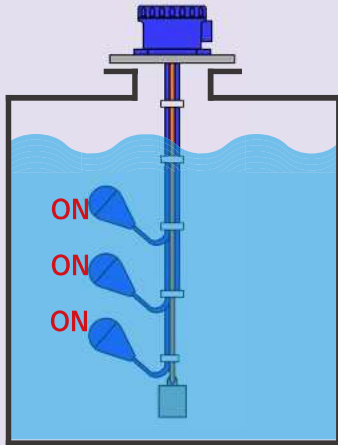


When the liquid level goes Down to reach the STOP point, the STOP indicator turns on. At the same time, the CONTROL contact signal is not out and deactivates the connected pump.

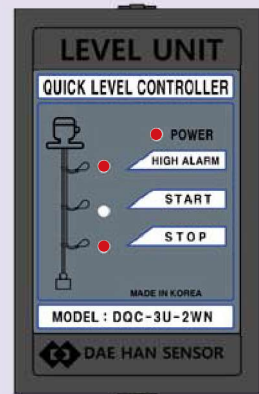


## Display Operation)

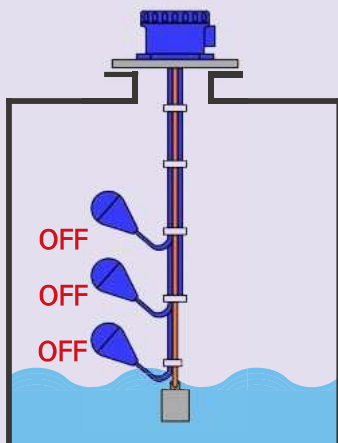
### 1. Supply Mode – High Level Display



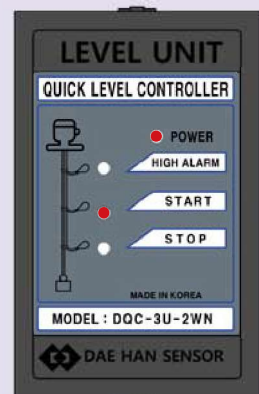
When the liquid level goes Up to reach the HIGH/A point, the HIGH/A indicator turns on. At the same time, the HIGH/A contact signal activates the connected buzzer and pump.



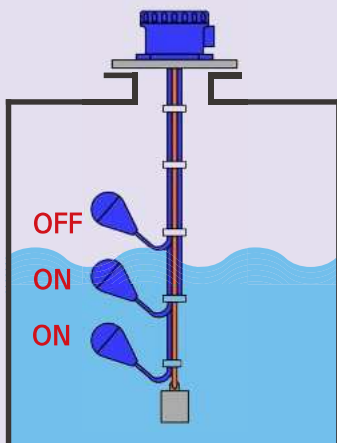
### 2. Supply Control "On" Level Display



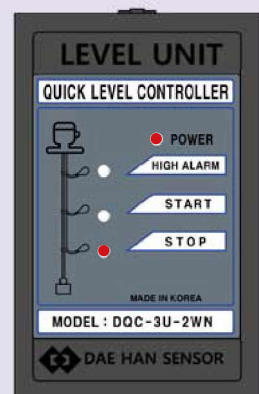
When the liquid level goes Down to reach the START point, the START indicator turns on. At the same time, the START contact signal activates the connected pump.



### 3. Supply Control "Off" Level Display



When the liquid level goes up to reach the STOP point, the STOP indicator 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 malfunction 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.

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