# DAEHAN SENSOR

## Digital Liquid Indicate
with level controller

## DQC – Series
Level Indicator with Relay Output

## Product Name
DQC – 4U – M – 2W

INNOBIZ

ISO 9001 인증업체

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# Introduction

This DQC-4U-M-2W 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 one Alarm Relay and 2 of Control Relay which activates the connected pump.

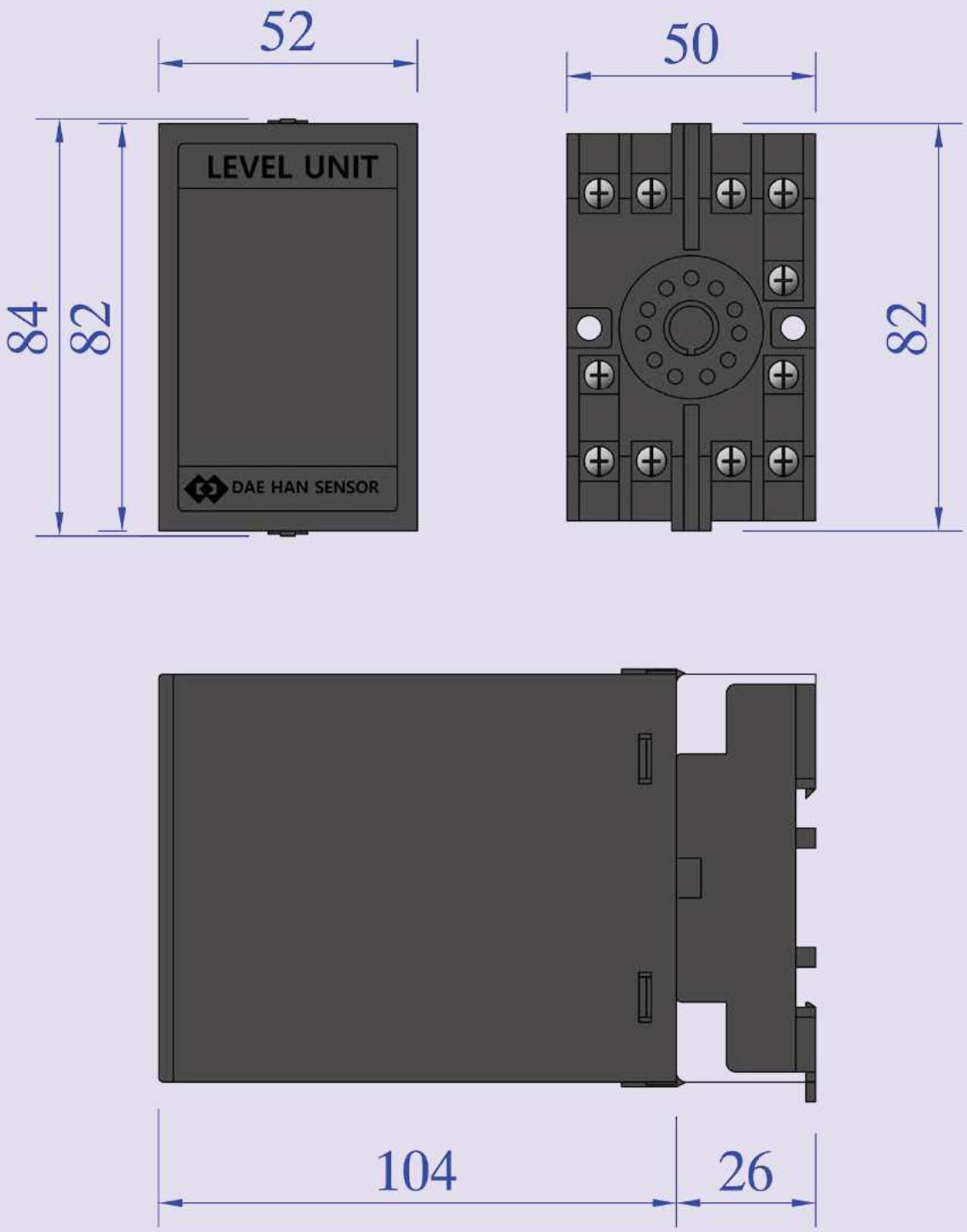
After operating START1, START2 operates sequentially.

After 2 STARTs operating, HIGH ALARM operates.

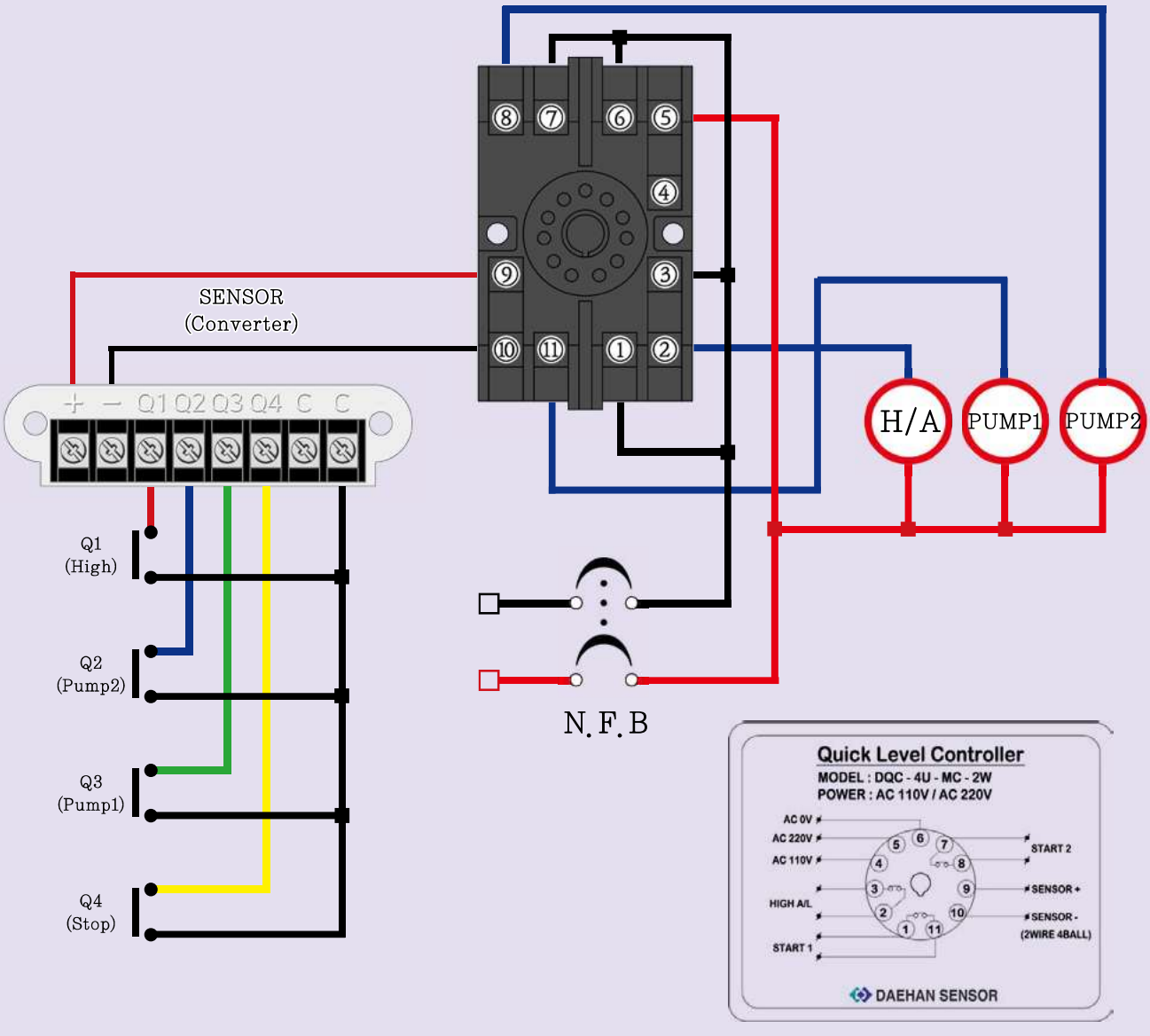
# Specification

- ▶ 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



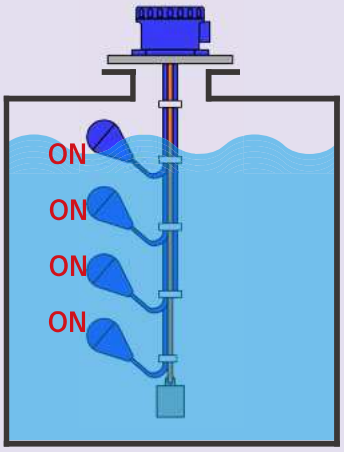
# Wiring Connection



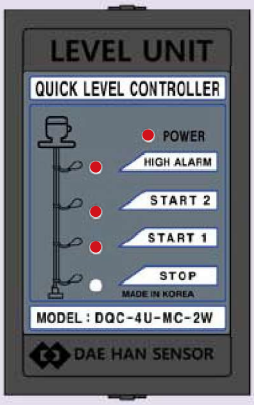

Terminal – Features & description

# Display Operation

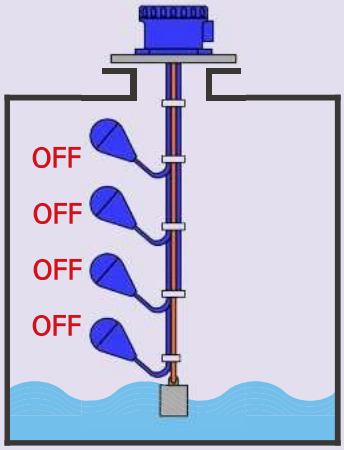
1. High Level Display



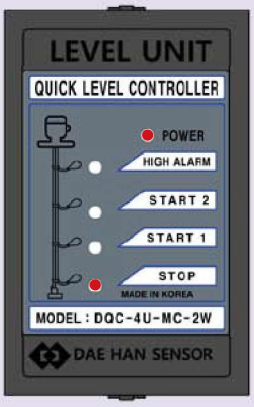

When the liquid level goes Up to reach the HIGH/A point, the HIGH/A & START1 & START2 indcator turns on. At the same time, the HIGH/A & START1 & START2 contact signal activates the connected buzzer and purmp.




2. Control "Off" Level Display

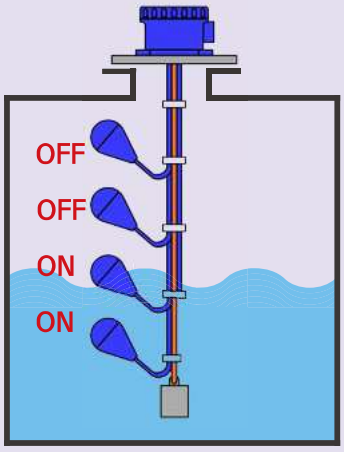



When the liquid level goes up to reach the STOP point, the STOP indcator turns on. At the same time, the CONTROL contact signal is not out and deactivates the connected pump.

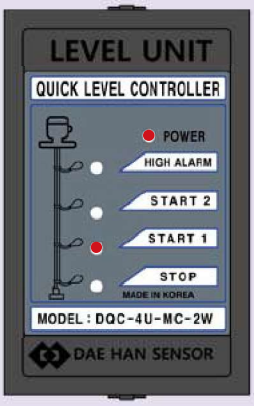


# Display Operation

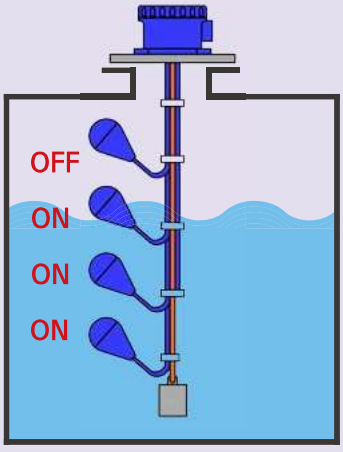
1. START "1" – Control "On" Level Display



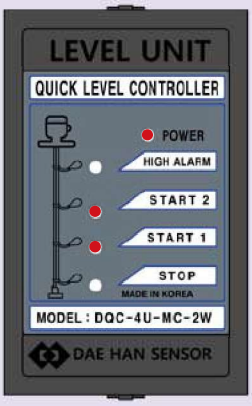

When the liquid level goes Down to reach the START1 point, the START1 indcator turns on. At the same time, the START1 contact signal activates the connected pump.




2. START "2" – Control "On" Level Display




When the liquid level goes Down to reach the START2 point, the START2 indcator turns on. At the same time, the START2 contact signal activates 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.

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