

# WLC2-230AC Liquid Level Controller

# IMO

Technical Datasheet

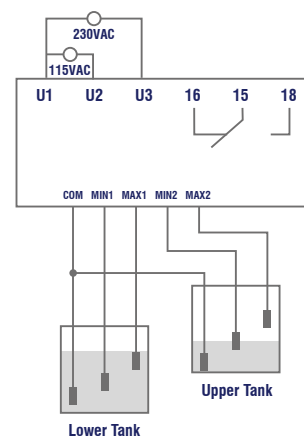
## Key Features

- Compact 36mm Design
- Filling and Emptying Functions
- LED Indication for Relay Status
- Adjustable 2, 3 and 6 Probe Usage
- 5A
- Operating Voltage 115VAC/230VAC
- Probe Protection Rating: IP68 While Using 2.5mm Cable
- Controller Protection Rating: IP20
- Maximum Cable Length: 800m



## Technical Data

Operating Voltage	U1-U2 (115VAC) / U1-U3 (230VAC)
Operating Frequency	50/60Hz
Terminal Markings	U1-U2-U3 (20kΩ)
Probe Inputs	COM, Min1, Max1, Min2, Max2
Sensitivity Adjustment	1kΩ - 75kΩ
Output Contact	1CO
Max. Switching Voltage	250VAC / 30VDC
Max. Switching Current	10A / 5A
Max. Switching Power	1250VA / 150W
Over Voltage	CAT III
Terminal Capacity	2.5mm / 14AWG (Solid / Stranded)
Screw Torque	0.5Nm
Cable Stripping Length	8 - 9mm
Power Consumption	<13VA
Operating Temperature	-20°C to +60°C
Protection Degree	IP20



## Operating Modes

### 3 Probe Up:

In this operating mode, COM, MIN1 and MAX1 terminals are used as the sensor input. The liquid level becomes active when disconnected from the MIN probe. It becomes deactivated when the connection is made with the MAX probe.

### 3 Probe Down:

In this operating mode, COM, MIN1 and MAX1 terminals are used as the sensor input. The liquid level becomes active when connected with the MAX probe. It becomes deactivated when the disconnection is made with the MIN probe.

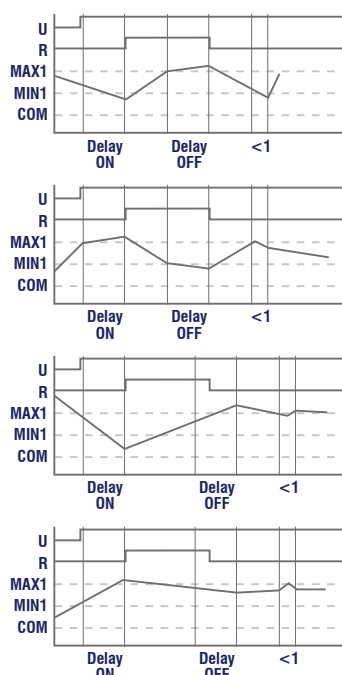
### 2 Probe Up:

In this operating mode, MIN1 and MAX1 terminals are used as the sensor input. The liquid level becomes active when disconnected from the MIN probe. It becomes deactivated when the connection is made with the MAX probe.

### 2 Probe Down:

In this operating mode, MIN1 and MAX1 terminals are used as the sensor input. The liquid level becomes active when connected with the MAX probe. It becomes deactivated when the disconnection is made with the MIN probe.

## Relay Operation



## LED Display (All Operating Modes)

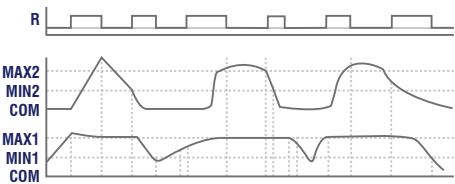
1. When the device is energised the U (Green) LED lights up continuously.
2. Relay (Orange) LED lights up when the relay is activated.
3. If there is MIN1 signal, MIN (Yellow) LED lights up continuously.
4. If there is MAX1 signal, MAX (Yellow) LED lights up continuously.

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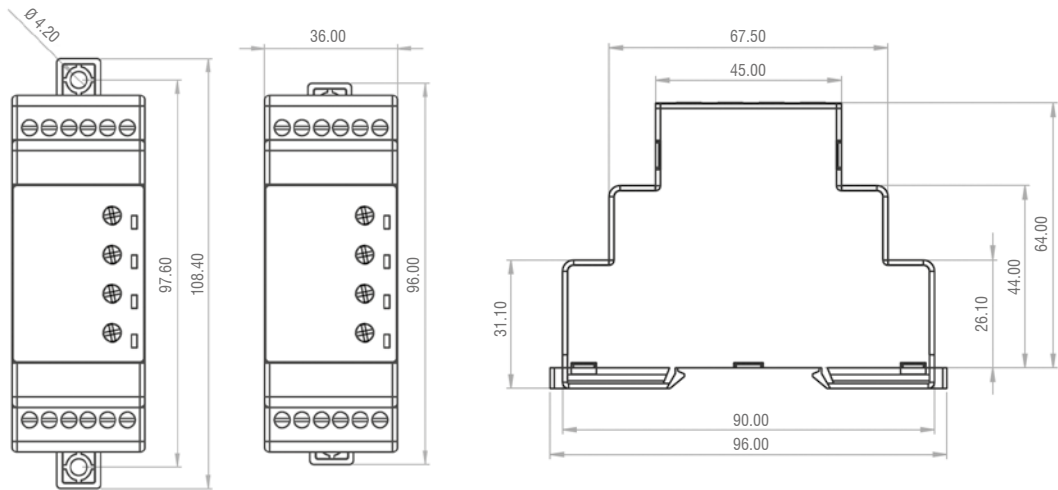
## Operating Modes continued

**6 Probe Mode:**  
In this operating mode, COM, MIN1, MAX1, MIN2 and MAX2 terminals are used as the sensor input. This mode is used to transfer liquid between two tanks.

## Relay Operation



## Dimensions (mm)



## Accessories

Probe for Level Monitoring	WLC2-PROBE (for WLC2-230AC)
Polypropylene Insulated Probe Ø6mm	
Fully Insulated 303 Quality Chrome Electrode	
with operating temperatures up to 80°C	
Probe Voltage: 12VAC/DC - 15VAC/DC	

