

STANDARD DATA SHEET of Water Level Controller

Features:

- **DIN Rail Mounted or Wall Mounted**
- **Operates on 230 V 1 phase or 414 V 3 phase**
- **AC Sensing Voltage, so no corrosion of sensors**
- **Very Low Power Consumption**
- **Light weight & Reliable**

Model **WLC 1D** is used to control the water level in the Tank. This TANK could be Elevated or Ground Reservoir.

For Delivery of Water : Connect P & NC in series with Contactor N/V Coil.

The Pump Motor STARTS when water level is below L and STOPS when water level is reached to U.

For Suction of Water : Connect P & NO in series with Contactor N/V Coil.

The Pump Motor STARTS when water level reaches to U level and STOPS when water level goes below L level.

SIZE: 70 L x 60 W X 110 D mm



STANDARD SPECIFICATIONS

Description/Model	WLC1D	WLC1D4	WLC1D1	WLC1D24
Aux. Supply Voltage	230 V AC 1 phase	415 V AC 3 phase	110 V AC 1 Phase	24 V DC
Out put	1 CO Contact 5 A			
Sensing Voltage/Current	10 V AC/ Less Than 125 uA			
Sensing Cable	3 Core, 1.5 Sq. mm, Non Shielded type			
Effect of Scale Deposition	No, Gives longer life			
Sensors	Any Conductive metal parts like Rod, wire, Nail, Plug pin etc.			
Electric Shock proof	Isolated, 12 V Operation			
Indications	POWER On, RELAY On			
Suitable for x x HP Motor	Any by using Contactor			
Power Consumption	Less than 3 VA			
Operating Temp				
SIZE	70 H x 60 W x 110 D in MM			
Weight	350 gms			
Colour	Grey			

Suitable for : Purified City Water, Industrial water, Sewage Water, Any Conductive liquids (Milk Fruit Juices etc.)

Applications:

Areas :

Industries:

<ul style="list-style-type: none"> • Water Supply Pumps • Process Control • Solenoid valve • Heater • Alarms • Level Indications 	<ul style="list-style-type: none"> • Overhead Tanks • Cooling Towers • Cooling Systems • Suction Tanks/Pumps • Basement Pumps • Juice Pumps 	<ul style="list-style-type: none"> • Water & Waste Water management • Process • Automobile • Dairy/Milk • Food • Pharma • Soalr Water Heating
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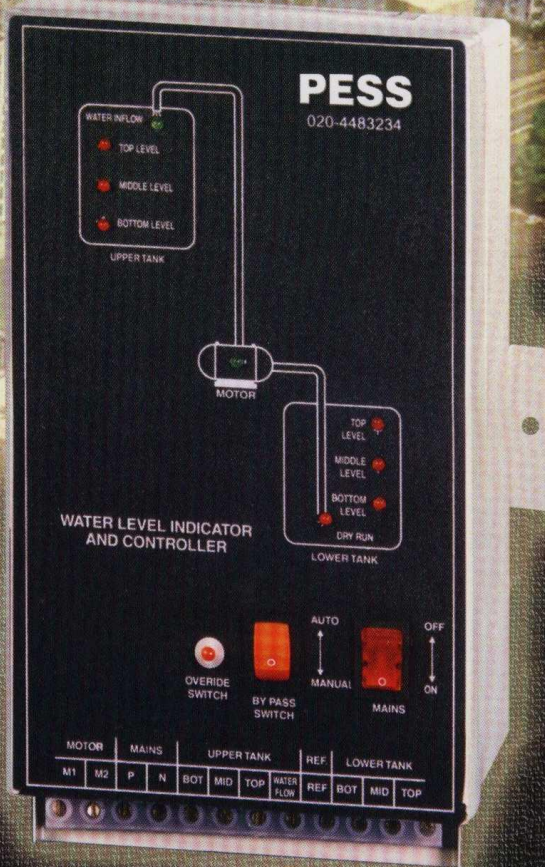
Specifications are subject to change without notice. All dimensions are typical.

Manufacturer : **PESS Corporation, PUNE.** Visit: www.powersupplyindia.com

Water Level Controller & Indicator	Model: WLC E
<p>FEATURES:</p> <ul style="list-style-type: none"> ➤ Input voltage 220V AC/50 Hz ➤ Voltage Variation +/- 20%, Dry Run Condition 60 Sec Delay after return to normal line voltage and power on. ➤ 45 Sec after Dry Run ➤ Sump and tank levels indication on the facia. <p>Hi/Low/Normal Voltage indication, Flow indication, Pump Motor On/Off /Trip.</p> <ul style="list-style-type: none"> ➤ Push-button to override controls and switches on the Pump motor till the tank fills up. ➤ Pump Motor switched on automatically when level falls below set low. ➤ Auto / Manual Switch for manual operation of pump motor. ➤ Audio Alarm on Dry Run. ➤ Push-button to silence the Alarm ➤ One N/O Contact for DOL ➤ Two N/O, N/C Contacts for Starters <p>Level Sensing Technology</p> <ul style="list-style-type: none"> ➤ Current loop with Cyclic Sampling. This ensures long sensor life. <p>Supportable Sensors</p> <ul style="list-style-type: none"> ➤ Standard Conductive type. ➤ Optional Magnetic (PP) Float Switch also available. <p>Operating conditions Size: 215 L X 125 W X 55 H Wall Mounting Distance: 150 mm Indoor / 55 Deg C.</p>	
<p>PESS® Quality Trust Since 1993</p> <p>PESS Corporation 312, Shaniwar Peth, Siddhant A Society, PUNE.411030 (INDIA) Tel.91-20-2448 7774, Fax: 91-20-2448 3234 Email: sales@powersupplyindia.com / pesscorporation@gmail.com / pess@vsnl.net Website: www.powersupplyindia.com</p>	<p>Dealer:</p>

PRESS

WATER LEVEL INDICATOR AND CONTROLLER



SAVE WATER
SAVE POWER
HELP NATION

WATER LEVEL INDICATOR AND CONTROLLER

The pump is switched "ON" when Upper Tank is empty and Bottom Tank is full.
The Pump is switched "OFF" when either Bottom Tank is empty or Upper Tank is Full.
If there is no water in Bottom Tank & Upper Tank is empty Pump will not start.
The Motor is protected against DRY running which occurs due to leaky foot valve or Motor problem by sensing Water Flow.

USER'S BENIFITS

Saves **WATER**, eliminate wastage
Saves **POWER** (electricity)
Saves **MAN POWER**
No shortage of **WATER**
Peace of **Mind**
Guarantee **ONE YEAR**
Pay back period **ONE YEAR**

Model

WLC-E

- ▶ Level Indication
- ▶ Alarm on Dry Run
- ▶ For 1 or 3 Phase Pump
- ▶ Auto / Manual Operation
- ▶ Shock Proof
- ▶ 3 VA Power Consumption
- ▶ 230/415 V AC Supply Voltage
- ▶ Compact, Sturdy Design

WLC-EUV

- ▶ Suitable for Single Phase Pump
- ▶ Under / Over Voltage protection.

WLC-ESP

- ▶ Suitable for Three Phase Pump
- ▶ Single Phasing prevention
- ▶ Under / Over Voltage protection.

WLC-EX

- ▶ Overhead Multiple Tank Control
- ▶ Multi Tank Level Indication
- ▶ Fully Automatic

PESS Corporation

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