

# WATER LEVEL CONTROLLER

## Stand-Alone Wireless Water Level Control System



Jabeco's complete management system to optimise the use of water resources



- Operates as a stand-alone system.
- Automatically regulates the level of a dam or reservoir in order to maintain pre-programmed water levels.
- Interfaces with a pressure sensor that accurately measures the water level.
- Wireless communications via FM or JIO.
- Two separate pump control channels (main and auxiliary).
- Operations alarms for pump failure, communications failure, and low field module battery.
- Analogue output for controlling a third device, such as VSD on a pump.
- Indicates water levels and operational conditions on the faceplate of the module, and can also be remotely monitored by PC.
- Can be integrated into more complex real-time monitoring systems.

### SPECIFICATIONS

#### POWER

- Requires a connection to 220VAC mains.
- Max 12W power consumption.

#### COMMUNICATION

- **Frequency:** 433MHz or 868MHz, on factory order.
- **RF Power:** 10mW max.
- **RF Connector:** F-Type.
- **Antenna:**
  - Dipole, standard ex-factory.
  - Optional: Single element Yagi.
- **Reach:** Dipole: + 3Km with good LOS.  
Yagi: up to 10Km with good LOS.

#### LOCAL COMMS INTERFACE

- **Hardware:** RS485, RS232, TTL.
- **Protocol:** SDI-12, Modbus.

#### PHYSICAL

- **Weight:** approx. 2kg.
- **Dimensions:** 250mm x 200mm x 180mm.

#### ENVIRONMENTAL

- **Operating ambient:** -20°C to 50°C.
- Designed for typical pump house conditions.

### ORDER INFORMATION

| Part No        | Description                     | Packing list  |
|----------------|---------------------------------|---|
| JB-WA-00-40    | Water Level Controller – 433MHz | WLC unit only. Antenna, Field module, JIO and Water Level Probe not included. |
| JB-WA-00-80    | Water Level Controller – 868MHz |   |
| Add-on Modules |                                 |   |
| JB-GA-07       | Analogue Output Module          | Fitted Internally   |

### APPLICATION NOTES

