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