

DUAL LEVEL / PRESSURE MONITORING CONTROLLER

Remote Monitoring. Reliable Alarm Management. Engineered for Critical Water Systems.

The APC Industries Dual Level / Pressure Monitoring Controller is an industrial-grade solution for remote indication and alarm monitoring of fire water storage tanks and pressure systems. The controller provides clear, real-time visibility of tank level, system pressure, alarm conditions, and system status. Built on an **IEC CE-certified PLC platform** and compliant with **AS/NZS 3000:2018**, it provides dependable monitoring. An integrated battery backup option ensures continuous alarm monitoring even during mains failure, offering reliability in critical scenarios.



SPECIFICATIONS

MECHANICAL

- IP65-rated 2mm galvanised steel enclosure, powder coated RAL7035 (Light Grey)
- Clean internal layout with high-quality spring terminals and clearly labelled wire numbering for efficient on-site installation
- Dimensions – 350W × 350H × 200D mm

ELECTRICAL

- Incoming supply required – 240 VAC, 10 A GPO (2 m lead pre-fitted)
- Internal circuit breaker providing overload and short-circuit protection
- 2 × Analogue Inputs (4–20 mA) for level or pressure transmitters
- 4 × Volt-Free Relay Outputs with selectable NO/NC configuration
- Battery backup input option with integrated battery charging

KEY FEATURES

CONTROL PLATFORM

➤ Industrial IEC CE-Certified PLC Platform

Utilises a rugged industrial PLC architecture rather than entry-level PCB modules, delivering improved reliability, diagnostics, and long-term component support. The PLC supports analogue inputs from level transmitters or pressure sensors, allowing configuration for tank level or system pressure monitoring applications.

USER INTERFACE & MONITORING

➤ 7" Industrial Colour Touchscreen HMI with Trend Monitoring

Large display providing clear real-time indication of tank level or system pressure, alarm status, and operating conditions. Integrated trend display allows graphical monitoring and historical review of system-level or pressure inputs.

➤ User-Friendly Setup & Configuration

Touchscreen interface allows easy configuration of alarm setpoints, analogue inputs, and output assignments.

ALARM & SYSTEM RELIABILITY

➤ Battery Backup Alarm Redundancy

An optional integrated battery backup allows alarm monitoring to continue during mains failure, ensuring continued alarm reporting.

➤ Configurable Alarm Monitoring & BMS Connectivity

User-configurable alarm thresholds for high and low tank level or pressure conditions with clear on-screen indication. 4 × configurable volt-free outputs are provided for BMS connection, including tank low, tank high, power fail, battery fail, and sensor fault alarms.

NETWORK INTEGRATION (OPTIONAL)

Optional upgraded network configuration providing:

- VNC capability for local and remote monitoring
- Modbus TCP/IP and Ethernet/IP communication