

RCU EASY

The PM EASY controller is specifically designed for intelligent rainwater harvesting and EN 1717 Category 5 break tank systems. It provides fully automatic management of rainwater and potable water supply while ensuring reliable operation, simplified installation, and continuous system monitoring.



MAIN FEATURES

- Designed for EN 1717 Category 5 rainwater recovery systems.
- Automatic management of rainwater and mains water supply.
- Intelligent control of break tank operation.
- Compatible with analog level sensors (4–20 mA).
- Continuous monitoring of water levels.
- Automatic pump start and stop.
- Configurable automatic water renewal cycle.
- Overflow and dry tank prevention.
- User-friendly LCD display with intuitive menu navigation.
- Integrated Real-Time Clock (RTC) with battery backup.
- Remote alarm output via volt-free relay contact.
- RS485 communication interface for future BMS integration.
- Integrated acoustic buzzer for alarm notification.
- Easy installation with removable terminal blocks.
- Reliable operation with programmable maintenance reminders.

Indirizzo / Address

Via Palermo n°30/3 20053 – Rodano (MI) – Italia

Tel. / Phone

+39 379 1305072

Email

info@pmtechconsulting.it

Website

www.pmtechproducts.com

www.pmtechconsulting.it

P.Iva / VAT: IT13416610965



EASY RCU

Technical Data

Designed for industrial reliability, the controller combines advanced electronics with a robust enclosure, providing all essential electrical, communication, and installation characteristics required for professional water management systems.

- Power supply: 90–240 V AC, 50/60 Hz.
- LCD display: 2 × 16 characters.
- 1 analog input (4–20 mA level sensor).
- 2 relay outputs, volt-free contacts, max. 12 A.
- RS485 communication interface.
- Protection degree: IP55.
- Operating temperature: –5 °C to +40 °C.

Alarms & Protection Functions

Continuous system supervision ensures maximum operational safety by detecting abnormal operating conditions, protecting pumps and tanks, and providing immediate visual, acoustic, and remote alarm notifications.

- Rainwater Tank Empty and rainwater Tank Low Level
- Break Tank Overflow
- Potable Water Refill Failure
- Level Sensor Fault (4–20 mA)
- Pump Fault / Thermal Protection
- Pump Running Timeout
- Water Renewal Overdue
- Filter Cleaning Reminder
- Maintenance Due Reminder
- Power Failure Recovery Notification
- Communication Error (RS485)
- Internal Controller Fault
- Audible Buzzer Alarm
- Visual Alarm Indication on LCD
- Remote Alarm Output (Volt-Free Relay)

