

## RMU32 AMR System



Flotech Solutions is proud to be selling the Epitomy RM32 AMR system. This system has been tried and tested in the field for years. Available in Stand-alone or Remote read configuration. This system can read 32 water meters per box and boxes can be linked to create a larger system. Ideal for Hi Rise buildings, Unit Blocks. Call us today for more information.

**Customer Service**

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# Epitomy RMU-32

## Remote meter reading unit



**The RMU-32 can be supplied as a component or installed in a full turnkey solution.**

Meter readings from the RMU-32 can be obtained on-site by direct connection to a PC or from the LCD. Meter readings can be collected remotely via either landline or mobile phone, or GPRS for reading on the Internet.

### Product Features

- Monitors up to 32 individual meters
- Network scalable up to 1,024 meters
- Interval "Smart" metering function
- On site or remote meter reading
- Operation battery backed up for 15 days
- User configurable meter pulse rates
- RMU parameters can be set locally or remotely
- Tamper detection RMU and cabling
- Password protected programming

### Benefits

- Suitable for new constructions and retrofits
- Accepts inputs from any pulse capable meter
- Allows on-site or remote interrogation
- Easily expanded to monitor additional meters
- Simple transition to load profile metering
- Input Voltage, 240 VAC
- Power Consumption, 20 - 30 watts
- Telephone connection (optional)

### Associated Products

- Epitomy LXH/R 15E4 15mm hot water meter
- Cold water meters with Epitomy EP-12 pulsed out device
- Installation / programming services
- Electricity meters / gas meters

### Maintenance, Recording and Billing

- Epitomy can provide a maintenance service along with a recording and billing service.

### Outputs

- Liquid Crystal Display, 2 line 16 character
- RS 232 serial communications port
- Power supply to Modem, GSM, or GPRS

### Input Specification

- Any pulse output water, gas or electricity meter
- Meter connections, screw terminals or RJ12
- Maximum cable length RMU to meter 200 m
- Cable type, purpose built Layson 2 TPS
- Pulse rate multipliers/dividers from 1 - 4000
- Interval metering periods programmable from 2 seconds - 1 hour

### Network Specification

- Purpose built twin twisted pair data cable with shield and drain nominated as Layson 2 TPS
- Maximum length of RMU circuit 1,000 m

### Mechanical Data

- Housing ventilated IP65 metal cubicle (lockable)
- Housing size, 400 x 300 x 160 mm
- Temperature range from 0 - 50°C
- Humidity range from 0 - 90%, non condensing

Contact:

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# Epitomy... Australia's leading manufacturer and supplier of remote meter reading equipment

Since 1996, Epitomy Pty Ltd have been the sole supplier of this type of equipment in NSW to AGL, Australia's largest energy retailer. Our system is also approved for use by Brisbane City Water, Gold Coast Water, and Moreton Bay Water in Queensland, Sydney Water and Hastings Water in New South Wales and the Mirvac Group of Companies in Western Australia.

Remote Meter Reading is more commonly referred to as AMR (Automated Meter Reading) this allows remote interrogation of cold water meters, hot water meters, gas and electricity meters, generally located in difficult to access locations.

The Epitomy RMU-32 is a 32 channel remote meter reading unit allowing "Smart" metering in timed intervals for

- Cold water meters
- Hot water meters
- Gas meters
- Electricity meters

The Epitomy RMU-32 is an Australian designed and manufactured unit that is a cost effective solution to automated meter reading and is ideal for

- Apartment blocks
- Shopping centres
- Hotels
- Retirement villages
- Mobile home villages
- Factories



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AS/NZS ISO 9001:2003  
Quality Assured Company



Gold Coast City Council

Moreton Bay  
Regional Council



# Epitomy RMU-32 Remote meter reading unit Installation guidelines

The Epitomy RMU-32 remote meter reading unit is designed for use in high density meter reading applications. The RMU is ideal for the collection of meter readings and interval metering data and uses a dedicated cabled network to transfer data from the meter to the RMU, and then from interconnected RMUs if required.

## Installation guidelines

- Maximum cable length between RMU and meter is 200m
- Maximum cable length (network) of 1,000 m, connecting up to 32 RMU-32s together
- Maximum meter pulse rate in standard configuration 10 pulses per sec (10Hz)
- Maximum meter pulse rate in high noise configuration 1 pulse per sec (1 Hz)
- 240 VAC power must be available for each RMU
- Cable between RMUs and between RMU and meter should be a single length with no joins
- RMU should be installed out of direct weather in a protected location

## Do's

- Do minimise all cable lengths
- Do use only the purpose built **LAYSON** 2 TPS data cable
- Do ask for help if you are unsure

## Don'ts

- Don't run cables in parallel and adjacent to 240 or 415 VAC cables
- Don't connect more than 32 RMUs in a single network
- Don't install cabling and RMUs without training
- Don't install meters where they cannot be accessed for periodic check reads

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## Network layout

