

# PREPAID WATER CONTROLLER

- **STS Compliant**
- **Demand Management**
- **Free Basic Water**
- **Lifeline Credit**

## Model: PWC500

The PWC500 (Prepaid Water Controller – PWC with Ball Valve) is a smart electronic device for delivering of prepaid water as well as a water demand controller in water scarce areas. The PWC works in conjunction with the V110T KSM pulse output water meter. Being STS compliant, the meter is compatible with any STS Vending System, available from Third Party Vendors.

## Remote Monitoring & Diagnostic

Using the Field Maintenance Terminal (FMT) software application allows remote meter configuration, diagnostic interrogation and Drive-by AMR data collection. For AMR the user pre-select the required data fields to be uploaded to CSV format for use in Microsoft Excel or third party systems. Drive-by Automatic Meter Configuration (AMC) allows for mass meter re-configuration without physically visiting each meter.



PWC500 Prepaid Water Controller

## Features

- **Split Meter System**
- **STS Compliant**
- **Bar Coded Serial Number**
- **Daily/Monthly Free Basic Water**
- **Lifeline Credit**
- **Emergency Water**
- **Leak Detection (Litres per hour)**
- **90 Days Hourly Data Logger**
- **Water Conservation Limit**
- **Up to 10 Year Battery Life**
- **Field Replaceable Battery Pack**
- **Tamper Detection**
- **Utility and Consumer Lock**

## Modes of Operation

- Prepaid
- Postpaid
- Demand Limit
- Free Basic Water
- Conventional

## Credit Registers

- Paid Credit
- Free Basic Water
- Life Line
- Emergency Water

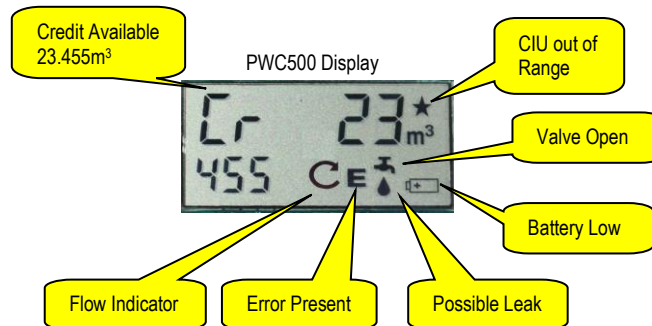
## Programmable for

- Daily/Monthly Allowance
- Time to open/close
- Accumulate unused water
- Lifeline delivery
- Emergency Water quantity
- Conservation Limit

Specification	
Display	1.8" LCD with icons
Ports	Radio (RF) & Optical (IR)
Communications	868mHz, GFSK Modulation
Output Power	14dBm (Max. ERP)
Antenna Type	Internal Helix Coil
Battery Type	Lithium Field Replaceable
Battery Life:	Up to 10 years
Pulse Input	Hall-Effect
Tamper	Probe Removal Detection
Resolution	0.0005m <sup>3</sup>
IP Rating	IP68 (Submersion 1meter for 2 hours)
Temperature	-10 °C to 55 °C
Control Valve	15mm Motorized Ball Valve
Pressure	0 - 16Bar
Valve Head loss	0 Bar



Top View



REV2



29 Galaxy ave., Linbro Business Park  
Cnr. Marlboro Drive & N3 Highway  
Sandton, South Africa

Tel: +27 (11) 608 1121/9

Web: [www.telbit.co.za](http://www.telbit.co.za)

