

Digital Remote Totaliser

Key Features

- ▶ Clear display
- ▶ IP67
- ▶ IR Communication
- ▶ Alarms



Introduction

The Digital Remote Totaliser counts and accumulates water meter pulses allowing the remote reading of water consumption without obtaining access to the water meter.

The Digital Remote Totaliser can be programmed to accept pulse values from a 0.1 litre pulse up to a 1m³ pulse.

Powered by a non-replaceable three-volt lithium battery to give extended life.

Connection

The Digital Remote Totaliser is supplied with three wires to allow connection to a pulsed output. Two wires for pulse and ground and the third for tamper. Connections are obtained by using two or three climatic resistant gel filled self splicing butt connectors.

These connections are protected by a cover, which is screwed in place and a tamper indicator placed over the screw head.

Display

Incorporating an eight digit Grey Super Twist Nematic (STN), liquid crystal display to give clear readings.

Only the integers are displayed to reduce reading errors. A flashing segment indicates pulse detection.

Tamper, leak and low battery alarms are displayed to give additional information.

Communication

Using IR communication, the Digital Remote Totaliser can be programmed with a start reading, pulse value, water meter serial number, and four lines of free text.

The Digital Remote Totaliser Programmer is used to read and programme the Digital Remote Totaliser.

Digital Remote Totaliser



Digital Remote Totaliser Programmer



Technical characteristics

Technical Specifications

Pulse Volt free / open collector

Maximum cable length 100m

Frequency response 32Hz

Input wires Ground (Brown)
Pulse (White)
Tamper (Green)

Connection Telecommunication connectors

Alarms Tamper, cut wire
Tamper, low flow
Leak
Low battery

Programmable fields Meter reading
Scale factor
Serial number
4 Custom parameters

Functional Specifications

Dimensions 104 x 70 x 38 mm

Weight 135g

Power source Lithium battery

Battery lifetime (*) 10 years – non replaceable

Protection IP67

Relative humidity 0 to 95%

Operating temperature -40°C to 70°C

E.M.C. Standards EN 50082-2, EN 50081-2

(*) Under normal applications within the specified working temperature range.

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