



# Cyble Dock

Maximize Meter Performance Anywhere – Cyble Dock Delivers Reliable Connectivity Even in the Toughest Locations.

## FEATURES AND BENEFITS

### Universal Design

- » Easily attaches to all Cyble modules including Cyble 5, SM4, Anyquest and Everblu.
- » Reusing already deployed Cyble module lowers costs.
- » Supports connection to Itron meters or 3<sup>rd</sup> party meters equipped with a wired pulse output.

### Maintains reliability in extreme conditions

Built to resist water (IP68 solution), contaminants, corrosion, rough handling, and temperature cycling.

### Long battery lifetime

Battery life easily calculated based on pulse output. Battery lifetime designed for over 15 years.

### Simple Installation

Five-pin connector or connection box makes it for easy in-field installation.



NO CONNECTIVITY

Itron mechanical meter equipped with Cyble wireless module



CONNECTIVITY ENABLED

Cyble dock equipped with Itron Cyble wireless module

Itron mechanical meter equipped with Cyble Sensor module

## AVAILABLE OPTIONS

### CYBLEDOCKV2 (EMEA & APAC regions)



Basic Cyble Dock V2, complete with the mounting bracket and a 5-pin IP68 male connector (solder terminals) for the customer to connect to its pre-existing wired output.

### CYBLEDOCKV2KIT (EMEA region)



Basic Cyble Dock V2, complete with the mounting bracket and a Cyble Sensor with a 5-pin IP68 male connector for the customer to attach to an Itron water meter.

### CYBLEDOCKV2KITW (APAC region)



Basic Cyble Dock V2, complete with the mounting bracket, a five-pin IP68 male connector already soldered to a flying lead, and an IP68 rated connection box.

## Cyble Dock- Compatible Wired Pulse Inputs

Cyble Dock can accept a wired pulse signal from a third party meter if the following conditions are met:

### Wiring

A pulse (HF) wire and a GND wire are required.

A direction (DIR) wire is optional. If not used, all pulses are treated as forward flow.

### Pulse (HF) signal requirements

Must be from an open collector output.

Pulse ON (HIGH) duration: **at least 15 ms**.

Pulse OFF (LOW) duration: **at least 15 ms**.

Total pulse period (ON + OFF): **at least 50 ms**

### Direction (DIR) signal requirements (if used)

Must be from an **open collector** output.

When flow direction changes, the DIR signal must:

- Change state **at least 5 ms before** the pulse signal.
- Remain stable for **at least 10 ms after** the change.

### Installation note

The first detected pulse is assumed to be **forward flow**, so ensure the flow direction is forward during installation.

To ensure meter and Cyble index synchronisation, we recommend pushing 5 pulses through the installation before realigning Cyble index.

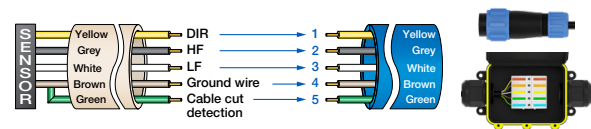
## COMPLIANCE

- » AS 61010.1-2003
- » EN IEC 61326-1:2021
- » EN IEC 61326-1:2021
- » IEC 60086-4:2019

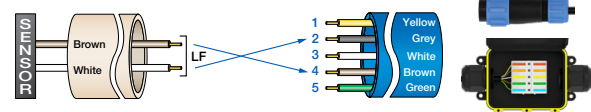
## Technical Details

Functionality	Details
Pulse Ratio	1:1
Max pulse frequency	Upto 17 Hz
Battery / Lifetime	Lithium / >15 Years*
Operating Temperature	- 15oC to + 55oC
IP Level	IP68
Dimensions (W x D x L)	98 x 101 x 55 mm

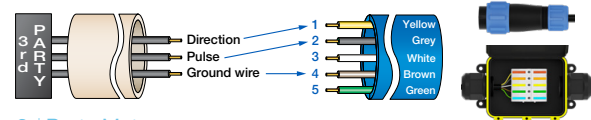
\* For residential meters.  
Battery life dependent on pulse frequency.



Cyble Sensor 5-wires



Cyble Sensor 2-wires



3<sup>rd</sup> Party Meter

Note: numbers refer to connector pin locations.  
Colours refer to flying lead cable colours, not junction box connector colours.

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