

Designed For Reliability...

DATA ACQUISITION

General Description

The HyQuest Solutions Pulse Extender is used to interface a Tipping Bucket Rain Gauge, which has a 100mS contact closure, to a device that cannot measure pulses that narrow, such as an RTU. The TBRG pulses are debounced and accumulated, and then output at a slower rate that the RTU can monitor. The Pulse Extender can be powered by a single 3.6V lithium battery for a year, or it can be powered from an external 12V supply.

Features

- Small and compact
- User Friendly
- Debounce & Accumulate the digital signal, then output at a rate that an RTU can handle.
- Low power consumption 3.6V Lithium battery can power the PE1 for up to one year

Specifications

- Inputs: Typically a contact closure (minimum pulse width 40mS) detects a max of 2 pulses per second (usually the max for any TBRG)
- Output: Open collector transistor (pulls to 0V) Standard output pulse - pulls low for 1 sec, then open for 1 sec; other timing available on request - at time of order.
- Indicator: LED Heartbeat flashes once every 2 secs; Flashes brighter when contact closure detected
- Connection: 5 way plug in screw terminal block
- Power Source: Internal 3.6V AA Lithium Battery (sleep mode 25uA) (pulsing 1mA) and/or External 12V supply (min 8V - max 28V) (sleep mode 0.5mA) (pulsing 1.5mA)
- Protection: Reverse Polarity Protection of Lithium Battery and External Supply
- Dimensions:
 - 70x60x40mm
- Weight: 190 grams



Pulse Extender Model PE1

N.B. Specifications are subject to change at any time without notice.



Contact Us

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