

TruSense

Input Module

WV-TS

The TruSense Input modules are an I2C based module with memory and the interface to the sensors. When an Input module is connected to a TruSense logger the logger reads the Input Module's memory and this gives the logger all the information on the sensors that may be attached to the module.

The WV-TS module is a Water volume sensor for reed relay and some open collector pulse water meters. The WV-TS also have a tamper input.

The K factor of the meter can be programmed into the input module by the manufacture or entered into the dashboard. If entered into the dashboard the display on the logger may not be correct. Default is 1m³/pulse.



Specifications

Size

Dimensions 40x20x15mm without cable

Environment

Protection Ip68 outdoor use.
Operating Temp. -20°C to 70°C
Storage temp. -20°C to 75°C

Pulse water meter input

Input close / open contact
Resolution 1 count
Input impedance 100Kohms//0.1uF
Input voltage max 3.6V
Max frequency 60Hz @ 15 minute logging
30Hz @ 30 minute logging
Count range 0 - 65535

This input counts from 0 to 32768 then returns to -32767 and counts up again on logger display. Dashboard shows correct volume and flow.

Reed switch debounce is built in.

Tamper input

Input about 0 when closed
about 1023 when open
Input impedance 470Kohms
Input voltage max 3.6V

Connections

Red Pulse +
Green Pulse -
Yellow Tamper +
Blue Tamper -