

# NexSens Rain to RS-485 Signal Adapter Quick Start Guide

The NexSens RAIN-RS485 signal adapter interfaces with any tipping bucket rain gauge, registers the number of bucket tips, and relays this information via RS-485 Modbus RTU to an X2 data logger.



RAIN-RS485 Adapter

## Wiring

The RAIN-RS485 adapter terminates in a flying lead cable used to establish a connection with a standard tipping bucket rain gauge. The black and white leads of the assembly should be connected to the pulse counter terminals of the rain gauge.

Rain Adapter UW-FLx Pigtail Wire Color	Rain Adapter Receptacle Pin	Connection
White	5	Tipping Bucket Terminal 1
Black	7	Tipping Bucket Terminal 2



RAIN-RS485 Adapter Receptacle Pinout

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## Getting Started

- 1 Connect the white and black leads of the rain adapter to the tipping bucket terminals.
  - a. Note that the lead orientation does not matter.



- 2 Connect the UW-plug connector of the RAIN-RS485 into any unallocated sensor port of the X2 data logger.
- 3 Follow the X2 data logger **Quick Start Guide** and verify the RAIN-RS485 adapter information updates to WQData LIVE following the sensor detection.