

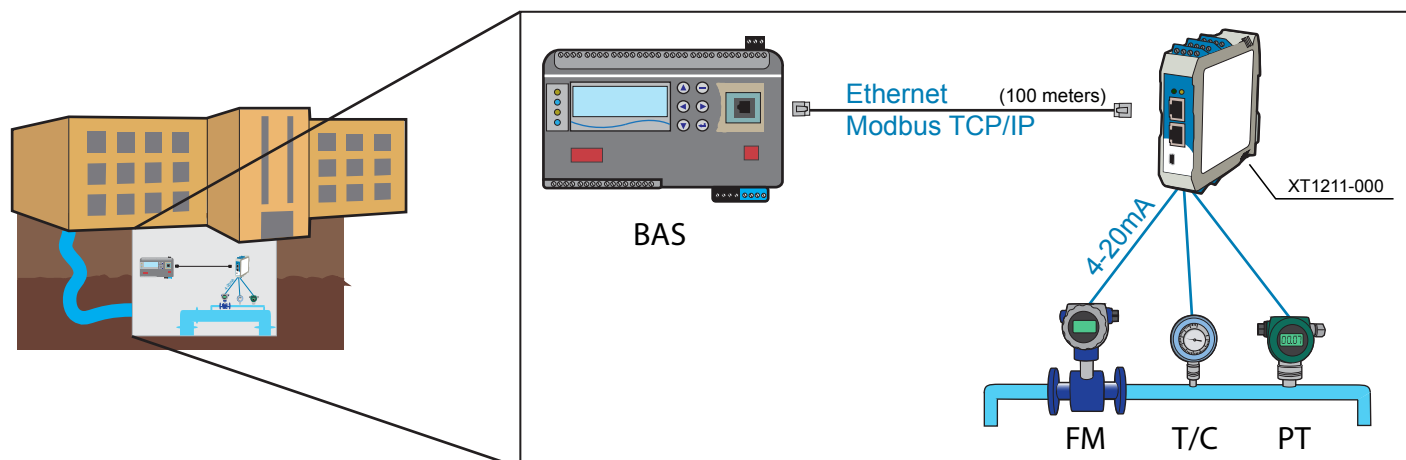
Application Note: Record Building Water Usage with Remote Ethernet I/O

Defining the Problem:

Regulatory Compliance - To meet environmental standards by monitoring the usage and quality of water used by a school. System will record the temperature, pressure, and flow rate for reporting purposes.

System Requirements:

Field instruments used are pressure transmitters (PT), temperature sensors (T/C), and flowmeters (FM) with 4-20mA outputs. Remote I/O convert the analog inputs to Modbus TCP/IP on Ethernet which communicates with the Building Automation System (BAS) for data logging, trending, and histograms.



Implementing the Solution:

1. Configure the module using Acromag Windows® based software via USB connection.
2. Connect the field instruments and verify input status using the software test & polling feature.
3. Program the BAS with the remote I/O network parameters and Modbus registers.

Featured Products:

8 Differential Current Inputs, [Modbus TCP/IP XT1211-000](#)
Software Interface Package [XT-SIP](#)

Why Acromag:

Acromag provides a simple and cost-effective solution for interfacing data from a number of sensors to building control systems.