

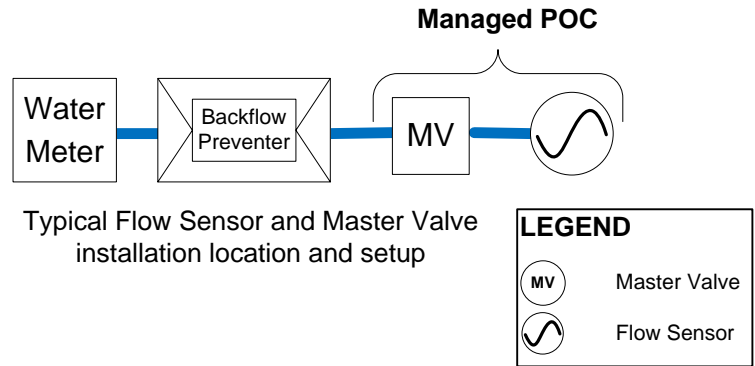
WeatherTRAK Flow Solutions

Master Valve and Flow Sensor Deployment Guide

This step by step guide will provide what is needed to enable flow for specific site scenarios using WeatherTRAK Controllers.

Step 1: Find location to install irrigation Point of Connection (POC) including Flow Sensor and Master Valve.

Typically near water meter and irrigation backflow preventer



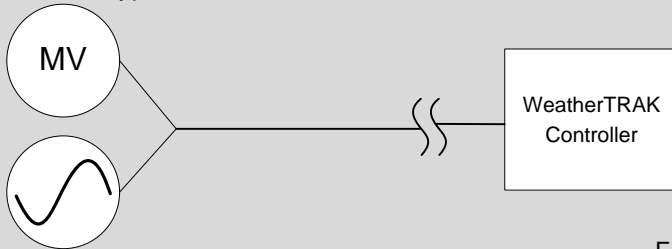
Step 2: Determine number of controllers connected to POC

Single Controller Deployment Solutions

Scenario 1: Easily trench new wires from POC to controller

Solution: Trench and direct wire to controller

Typical direct wire installation



Installation Overview

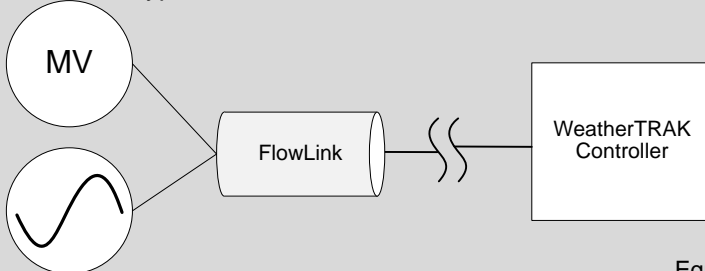
- 2 x #14 AWG for MV
- XXX cable for Flow Sensor

Equipment List: **1** Flow Sensor **1** Master Valve **0** FlowLink **0** FlowShare

Scenario 2: Difficult to trench, but master valve already installed or spare wire available, no flow sensor wire available

Solution: Use WeatherTRAK FlowLink XT

Typical FlowLink XT installation



Installation Overview

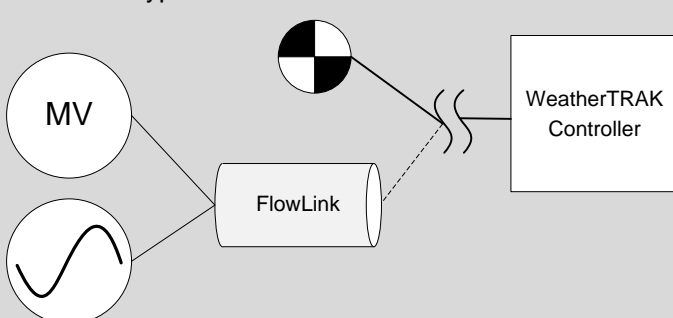
- Connect MV and Flow Sensor Wire to FlowLink XT
- Connect FlowLink XT to controller using existing MV or spare wire

Equipment List: **1** Flow Sensor **1** Master Valve **1** FlowLink **0** FlowShare

Scenario 3: No spare wires available, but can easily trench from station valve or splice box near POC

Solution: Use WeatherTRAK FlowLink XT+ and create a shared station wire

Typical FlowLink XT+ installation



Installation Overview

- Connect MV and Flow Sensor wire to FlowLink XT
- Connect shared station to FlowLink EXT
- Connect FlowLink XT to controller using shared station wire

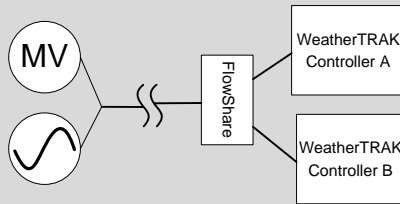
Equipment List: **1** Flow Sensor **1** Master Valve **1** FlowLink **0** FlowShare

Two Controller Deployment Solutions

Scenario 1: Easily trench new wires from POC to both controllers

Solution: Trench and direct wire to controllers using FlowShare

Typical connection for single POC to two direct wired controllers using FlowShare



Installation Overview

- Connect MV and Flow Sensor Wires to FlowShare
- Connect Controller A to FlowShare
- Connect Controller B to FlowShare

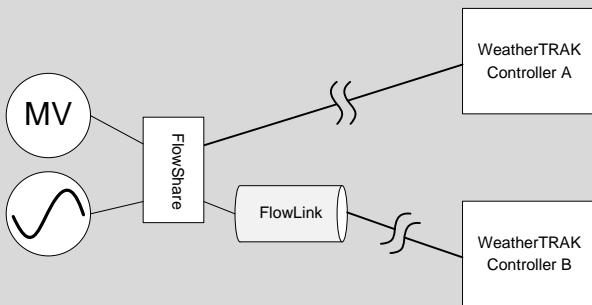
* Controller A & B cannot have overlapping water windows

1 Flow Sensor 1 Master Valve 0 FlowLink 1 FlowShare

Scenario 2: Difficult to trench to one controller, but easily trench to second controller

Solution: Use FlowShare with single FlowLink XT or XT+

Typical connection for single POC to two remote controllers, one direct wired to FlowShare, the second connected through FlowLink



Installation Overview

- Connect MV and Flow Sensor Wire to FlowShare near POC
- Direct connect FlowShare to Controller A
- Connect FlowLink XT or XT+ to FlowShare near POC
- Connect FlowLink to Controller B
- Connect Controller B to FlowLink XT using existing MV or spare wire or to FlowLink XT+ using a shared station wire

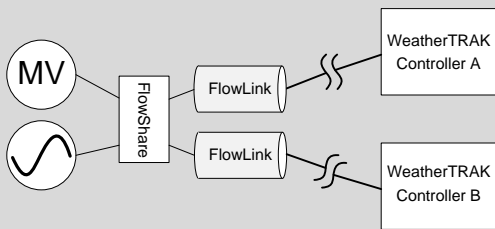
* Controller A & B cannot have overlapping water windows

1 Flow Sensor 1 Master Valve 1 FlowLink 1 FlowShare

Scenario 3: Difficult to trench to both controllers, but can easily trench from POC to valve or splice boxes with one operated by controller A and the other by controller B

Solution: Use FlowShare with single FlowLink XT or XT+

Typical connection for single POC to two remote controllers using FlowShare and both to FlowLink



Installation Overview

- Connect MV and Flow Sensor Wire to FlowShare
- Connect each FlowLink XT or XT+ to FlowShare near POC
- Connect Controller A to FlowLink XT using existing MV or spare wire or to FlowLink XT+ using a shared station wire
- Repeat FlowLink connections for Controller B

* Controller A & B cannot have overlapping water windows

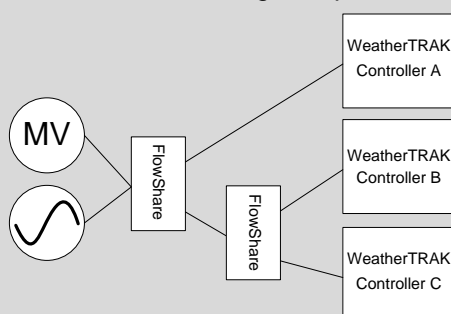
1 Flow Sensor 1 Master Valve 2 FlowLink 1 FlowShare

More than two controllers Deployment Options

Solution: Cascade multiple FlowShares.

Number of FlowShares = number of controllers – 1
(e.g 3 controllers = 2 FlowShare)

Typical connection for single POC to more than two remote controllers using multiple FlowShares



Installation Overview

Connect single POC to more than two Controllers

Solution: Use multiple FlowShares

- Connect MV and Flow Sensor Wire to FlowShare
- Connect Controller A to first FlowShare
- Connect second FlowShare to first FlowShare
- Connect Controller B to second FlowShare
- Connect Controller C to second FlowShare

* Controller A, B & C cannot have overlapping water windows

1 Flow Sensor 1 Master Valve 0 FlowLink 2 FlowShare