

WeatherTRAK FlowLink specifications.

- A. Description: WeatherTRAK FlowLink enables communication of flow sensor data signals and master valve control signals, and provides power to energize the master valve solenoid over a single, shared or dedicated, irrigation and common wire pair.
- B. WeatherTRAK FlowLink flow sensor data signal and master valve control signal over a single, shared or dedicated, irrigation and common wire pair device specifications include but are not limited to:
 1. Device shall enable communication of flow sensor data signals and master valve control signals, and provide power to energize the master valve solenoid over a single, shared or dedicated, irrigation and common / ground wire pair (Example WeatherTRAK FlowLink XT model). The device shall optionally support controlling an existing station control valve (Example WeatherTRAK FlowLink XT+ model) This enables the device to share the existing station valve control wire in the field with an extended wire pair installed at the flow sensor and master valve.
 2. The device shall be compatible with normally closed NC or normally open NO master valves.
 3. The device shall, if required, provide power to a photo diode enabled high-resolution register on a flow sensor such as the WeatherTRAK Flow3 PD.
 4. The device shall provide the flow sensor data signal to the controller in real-time. The flow sensor data signal frequency shall be updated at least every 10 seconds.
 5. The device shall be compatible with WeatherTRAK's controller electrical valve test
 6. The device shall be compatible with WeatherTRAK's ET Pro2, ET Pro2 Smart Water Manager, ET Pro3 and LC controllers as well as the WeatherTRAK FlowShare product.
 7. The device shall be compatible with WeatherTRAK Flow3 hydrometer and FlowHD flow sensor, Data Industrial IR220 series flow sensors, and CST flow sensors models.
 8. The device shall support a signal transmission distance of up to 4,000 feet over #14 AWG wires from the flow sensor and master valve location to the controller. The device shall support this signal transmission distance even if the flow sensor's direct wired solution only supports a shorter distance.
 9. The device field interface wires of length 8 inches of #16 AWG solid core wire.
 10. The device controller interface wires of length 24 inches of #18 AWG stranded wires. The device controller interface shall use a controller's dedicated 24VAC output with support up to 1,000 mA continually powered connection.

11. The device shall support a station valve solenoid of 24 VAC up to 600mA holding current, and a master valve solenoid of 24 VAC 900mA holding current.
12. The device shall support an input frequency between 0 and 200Hz
13. The device operates between -5 degrees C and +60 degrees C. The device can be stored between -10 degrees C and +70 degrees C.
14. The device controller interface shall remotely power the device field interface
15. The device field interface modules shall be able to operate submerged under water
16. Dimensions:
 - a. CT Module {6.5" x 3.5" x 1.5"}
 - b. FXT Module {6.5 x 6.5 x 2.5}
 - c. EXT Module {3.5 x 3.5 x 2.5}
17. Weight: 3.5 pounds
18. The device shall have a 3-year trade warranty
19. The device shall be manufactured by HydroPoint Data Systems, Inc., Petaluma, CA.