

# WeatherTRAK<sup>®</sup> Flow Commissioning Worksheet

Controller Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_

Completed by: \_\_\_\_\_

(Fax a copy of this completed page to: Professional Services, HydroPoint Data Systems, Inc., (707) 769-9695)

## Confirm the following flow monitoring functions have been setup correctly.

1. List the assigned program and "Learned Flow" values or "Assigned Station Flow" (ASF) below;

Sta. No.	PRG	GPM
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

Sta. No.	PRG	GPM
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

Sta. No.	PRG	GPM
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		

Sta. No.	PRG	GPM
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		

2. In the SETUP Menu, The master valve type selected is **None, Normally Closed or Normally Open** (circle one)

3. In the FLOW Menu, the Flow Meter Mode is set to "1"? **Yes / No** (circle one)

4. Flow Alert Clearing is set to "**Auto or Manual**" (circle one)

5. The flow sensor size installed<sup>1</sup> is "\_\_\_\_" and model? \_\_\_\_\_ (Data Industrial, Netafim etc?)

6. The flow sensor K and Offset values are set properly<sup>2</sup>? **Yes / No** (circle one)

7. Are any stations excluded from No-Flow monitoring? **Yes / No** (circle one) If yes, list stations selected.

8. The station with the highest flow rate is station \_\_\_\_ and its GPM is \_\_\_\_.

9. The mainline break threshold is set about 25% higher than this value or \_\_\_\_ GPM. Delay Period is \_\_\_\_ Min.

10. The station with the lowest flow rate is station \_\_\_\_ and its GPM is \_\_\_\_.

11. The No Flow threshold value is set to \_\_\_\_ GPM. Delay Period is \_\_\_\_ Min.

12. The Leak detect threshold is set to \_\_\_\_ GPM. (if quick couplers exist 15 GPM is typical threshold value) Delay period is \_\_\_\_ Min.

13. If the Master Valve is "Normally Open," is an "Extended Leak Detection" value entered? **Yes / No** (circle one) If "Yes", how many minutes \_\_\_\_\_. (0-240 minutes)

14. The station high flow offset is set to \_\_\_\_% (default setting is 20%)

15. "Learned Flow for all stations has been completed? **Yes / No** (circle one)

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## Compatible Flow Sensor – K and Offset Values

<sup>1</sup> The following K and Offset values are not default settings in the WeatherTRAK controller and must be entered manually.

Manufacturer	Size	K Factor	Offset
<b>Creative Sensor Technology (FSI-T Series)</b>			
	1"	+ 00.32000	+ 00.022
	1-1/2"	+ 00.65000	+ 00.750
	2"	+ 01.19200	+ 00.938
<b>Data Industrial PVC models</b>			
735 series	1/2"	+ 00.07800	+ 00.900
735 series	3/4"	+ 00.15630	+ 00.900
735 series	1"	+ 00.26119	+ 01.200
228 series	1-1/2"	+ 01.69700	- 00.316
	1"	+ 06.00000	+ 00.000
	1-1/2", 2", 3" & 4"	+ 60.00000	+ 00.000
<b>Bermad (Reed Switch 900-M Series)</b>			
	1-1/2", 2", 3" & 4"	+ 60.0000	+ 00.000

## Flow Sensor Operating Ranges

<sup>2</sup> Check station flow rates to confirm if operating flow of a station is below the minimum flow rate note in the table below. Stations with "Assigned Station Flow" (ASF) less than the suggested operating range of the flow sensor in use should be "Excluded from No Flow" monitoring to avoid false No Flow alerts.

Manufacturer	Size	Suggested Operating Range (GPM)
<b>Data Industrial</b>		
228 PVC Series	1-1/2"	5 - 100
	2"	10 - 200
	3"	20 - 300
	4"	40 - 500
250 Brass Series	1"	2 - 40
	1-1/4"	3 - 60
	1-1/2"	4 - 80
735 Wireless Series	1/2"	1.89 - 18.84
	3/4"	3.32 - 33.34
	1"	5.39 - 53.88
<b>Creative Sensor Technology (FSI-T Series)</b>		
	1"	0.89 - 52
	1-1/2"	1.80 - 108
	2"	2.8 - 170
<b>Netafim (Pulse Reed Switch Series)</b>		
	1-1/2"	1.8 - 55
	2"	5.3 - 95
	3"	14 - 220
	4"	21 - 380
<b>Bermad (Reed Switch 900-M Series)</b>		
	1-1/2"	5.7 - 110
	2"	5.7 - 176
	3"	13.2 - 440
	4"	19.8 - 704