

QUICK SET-UP GUIDE FOR THE BADGER® ER-420

These are the minimum settings that need to be checked/set for the Badger ER-420 to display rate and total. Refer to pages 9-11 of the Installation & Operation Manual (IOM) for overview of front button operation.

- 1.) Total – Reference Page 13 of the IOM for Programming Instructions
 - 11.) Unit – Sets the unit of measure for the totalizer.
 - 12.) Decimals – If other than whole units.
 - 13.) K Factor – Number of pulses per unit from transmitter. (See note below)
 - 14.) K Factor Decs – Determines the number of decimals for K factor entered. (See note below)

- 2.) Flowrate - Reference Page 14 of the IOM for Programming Instructions
 - 21.) Unit – Sets unit of measure for flow rate.
 - 22.) Time – Time that flowrate is set to.
 - 23.) Decimals – If other than whole units.
 - 24.) K Factor – Number of pulses per unit from transmitter. (See note below)
 - 25.) K Factor Decs – Determines the number of decimals for K factor entered.

- 3.) Display - Reference Page 15 of the IOM for Programming Instructions
 - 31.) Function – Sets whether both rate and total are displayed or just rate.

- 5.) Flowmeter - Reference Page 16 of the IOM for Programming Instructions
 - 51.) Signal – Sets type of input from transmitter.

Note: (See reverse side for the Transmitter Pulses per Unit Chart)



Transmitter Pulses per Unit Chart			
Use with the following Transmitters:			
FT1, FT2XP, PFT2, PFT3			
Size	Meter Model	Gallons	Liters
1/2"	OP	223.0000	58.9000
1/2"	OP (FT1 only)	111.5000	29.4000
1"	OP	76.6000	20.2000
2"	OP	20.6000	5.4000
2"	Industrial Turbo	17.3600	4.6000
3"	Industrial Turbo	12.4000	3.2000
4"	Industrial Turbo	2.5600	0.6000
6"	Industrial Turbo	1.0800	0.2000
5/8"	25 Industrial RCDL	198.4000	52.4000
3/4"	35 Industrial RCDL	126.7000	33.5000
1"	40 Industrial RCDL	89.8000	23.7000
1"	70 Industrial RCDL	46.8000	12.4000
1-1/2"	120 Industrial RCDL	23.8000	6.3000
2"	170 Industrial RCDL	14.6000	3.9000
1-1/2"	160 Turbo Series	1.5366	0.4059
2"	200 Turbo Series	1.5366	0.4059
3"	450 Turbo Series	1.5982	0.4222
4"	1000 Turbo Series	1.6650	0.4399
6"	2000 Turbo Series	0.1501	0.0396
8"	3500 Turbo Series	0.1514	0.0400
10"	5500 Turbo Series	0.1980	0.0523
12"	6200 Turbo Series	0.1287	0.0340
16"	6600 Turbo Series	0.0155	0.0040
20"	10000 Turbo Series	0.0090	0.0023
1/2"	Industrial OG	378.5*	100*
3/4"	Industrial OG	249.8*	66*
1"	Industrial OG	249.8*	66*
*Approximate values.			
Exact pulses/liter for water can be found on meter.			