

PT3002 Flow Sensor Transmitter Installation and Programming Instructions Instrucciones de instalación y programación



ENG

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Wiring Instructions

NOTE: Refer to the PT3002 Flow Monitor and NEMACAB Installation sheet for more detailed instructions.



Wire red wire from flow sensor to terminal four on terminal block with seven terminals. Wire black wire from flow sensor to terminal five on terminal block with seven terminals. See wiring diagram label on side of PT3002.



Wire the red lead (+) from the PT Power Supply to the terrminal one on the three port terminal block. Wire the black / white (-) wire to terminal two of the three port terminal block.

Wiring Instructions (cont.)

For Use As A High Flow Shut Off Device With A Stand Alone Controller



Using a Normally Closed Master Valve

Wire one leg of the master valve solenoid wire to the Relay 1 NC 2 terminal. Wire the Relay 1 COM 3 terminal to the master valve terminal in the controller.

Note: Wire master valve common to controller common as in any normal installation.

Using a Normally Open Master Valve



Wire one leg of the master valve solenoid wire to the Relay 1 NO 1 terminal. Wire the second leg of the solenoid to an auxiliary 24 volt power supply. Wire the Relay 1 COM 3 to the other leg of the auxiliary power supply. When a high flow condition occurs the internal relay closes, powering the normally open master valve and closing it.

For Output to Maxicom® or Site Control

(complete step 1) on pages 6 to 8 and step 2b on pages 11 to 12)



Wire the Pulse 1 Out terminal four to the positive (+) terminal of the sensor port on a link MIB board or Site Satellite. Wire Pulse 2 Out terminal five to the negative (-) terminal of the sensor port on a link MIB board or Site Satellite.



Wire the Pulse 1 Out terminal four to the blue wire of a pulse decoder if using two wire communications between CCU and satellite Controller. Wire Pulse 2 Out terminal five to the blue / white wire of a pulse decoder.

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Initial Powerup



Plug the PT3002 Flow Monitor power supply into a 120 VAC electrical outlet.

When the PT3002 is first powered up, it runs through internal self checks, while displaying "PT3002 DIC Initializing." At the end of this cycle its normal display will appear.

Display and Key Pad





1-Switch to main menu 2-Backward/Previous menu



1-Save value 2-Forward/Next menu



1-Select Menu option 2-Increase numerical value



1-Select Menu option 2-Move cursor to the right

General Programming



- Press MENU to enter Programming Mode. Press ▼ to go to the Password Screen.
- 2. Use the arrow keys to enter a 4 digit password then press ENTER <u>OR</u> press ENTER to bypass using a password.
- At the Setup menu, press ► to go to the Flow 1 Setup Screen.

RESET SETUP DIAG

Enter password 0000





 Press ▲ to go to the Flow 1 Rate Screen.

Flow 1 Setup RATE TOTAL SENSR



 Press ▲ to Set Units.

Flow 1 rate UNITS #.DIG CUST







included with Rain Bird Flow Sensors.



Set Up as a High Flow Shut Off Device With a Stand Alone Controller

Be Sure Unit is Set Up Through Step (1) Above Before Continuing

- 1. Press MENU to enter RESET SETUP DIAG Programming Mode. Press ▼ to go to the Password Screen. 2. Use the arrow Enter password keys to enter a 4 digit password 0000 then press ENTER **OR press ENTER** to bypass using a password. 3. At the Setup SFTUP screen, press FNTFR. PWORD DSPY FLOW1
 - 4. Press ▲ for RLY1.





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Resetting the 3002 After a High Flow Occurrence



Resetting the 3002 To Zero Total Flow

Readings

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