

	SONARtrac[®] Technical Note	
	TN0016	
	Subject: Setting Flow or GVF Alarm Using Transmitter Keypad	
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Question:

How do I set an Alarm on a transmitter using the transmitter keyboard?

Answer:

Users are able to set alarms for Flow and GVF from the transmitter keyboard. Other alarms must be set using either the SONARtrac Field Service Utility program or by loading a configuration file with the desired alarm information on it through the USB Port.

Alarms can have two states:

- Warning is indicated by the transmitter red LED and alarm output relay blinking on and off.
- Critical is indicated by the red alarm LED on the transmitter being constantly on and constant relay closure output to the DCS.

The following will describe how to set an alarm for Flow Rate using the transmitter keyboard.

Alarm Set-points: 25gpm +/- 10% (22.5gpm and 27.5gpm)

Alarm Mode: Critical (LED on transmitter constant On and relay constant On in alarm mode)

Alarm Manual Clear: Disabled (Alarm will automatically clear itself when alarm condition no longer exists)

Proceed as follows:

1. Open transmitter door.
2. Press the Down Arrow until **OUTPUT CONFIG** menu appears on Line 1. Press Enter
3. Press the Down Arrow until **ALARM CONTROL** appears on Line 2. Press Enter
4. Press the Down Arrow until **CRITICAL** appears on Line 3. Press Enter
5. Press the Down Arrow until **On=** appears On Line 4.
6. Press the Down Arrow until **FLW** appears in the black box on Line 4. Press Enter



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7. Press the Down Arrow until **MANUAL CLEAR** appears on Line 3. If it is not set to **DISABLE** on Line 4 press the Enter Key and Down Arrow until **DISABLE** appears on Line 4. Press Enter.
8. Press the Back key until **ALARM CONTROL** is shown on Line 2.
9. Press the Down Arrow until **ALARM CRIT THRESH** appears on Line 2. Press Enter
10. **FLW MIN** should appear on Line 3. If not Press the Down Arrow until **FLW MIN** appears on Line 3. Press Enter
11. Press the arrow keys to change the values in the **XXX.XX%** until the desired Low Flow alarm value (22.5gal/m) is displayed. Press Enter



12. Press the Down Arrow until **FLW MAX** appears on Line 3. Press Enter
13. Press the arrow keys to change the values in the **XXX.XX%** until the desired High Flow alarm value (27.5gal/m) is displayed. Press Enter
14. Press Exit and the transmitter will restart with the Alarm set points in effect.

Contact CiDRA Technical Support or Customer Support with any questions.

Revision History

Rev	Date	Changed By	Approved By	Change Description
01	20Nov08	Markoja		Initial Release

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