

## AQUALARM ADJUSTABLE COOLING WATER FLOW DETECTOR

This Adjustable Flow Detector is the latest in raw water flow detection. It allows the flow detector to be adjusted and set to each boat's individual flow rate. It is designed for installation in plumbing systems having a 1/2", 3/4", 1", 1-1/4", and 1-1/2" hose size.

The Adjustable Flow Detector has 1" female pipe threads. Use the appropriate male pipe thread to barb hose adapter that corresponds to the inside diameter of your engine's raw water intake line between the inlet strainer and raw water pump. The adapter can be pvc, cpvc, nylon, or brass. The Flow Detector can be connected into the raw water flow after it leaves the engine if this more convenient.

Screw the adapters into each end of the Flow Detector. Measure the length of hose to be removed to allow the Flow Detector to be inserted. About ten inches.

Insert the Flow Detector into the hose—**BE SURE THE FLOW ARROW ON THE FLOW DETECTOR CORRESPONDS WITH ENGINE RAW WATER FLOW.** Use hose clamps to secure the Flow Detector.



**IF YOUR APPLICATION IS A GENERATOR, BAIT TANK OR ANY USE THAT DOES NOT HAVE AN IDLE MODE, STOP HERE. THE FLOW DETECTOR HAS BEEN PRESET FOR THESE APPLICATIONS.**

### AFTER INSTALLATION:

1. Loosen set screw and move the Flow Detector adjustable collar to the **LO** position
2. Start the engine and let it run at idle RPM
3. Slowly slide the adjustable collar in the direction of the **HI** position until alarm sounds and /or red light turns on
4. Slowly slide the adjustable collar back in the direction of the **LO** position until alarm stops and/or light goes out
5. Tighten set screw—avoid over tightening

The Flow Detector is a Normally Closed switch and should be connected to the ignition switch so that it is powered only when the engine is on. The alarm will sound when the engine starts and continue until the water flow is sufficient. **THE ELECTRICAL SWITCH HAS A ONE-HALF (1/2) AMP RATING (LIMITATION) AND CANNOT BE EXCEEDED WITHOUT DAMAGE TO THE SWITCH.**

Below is a typical diagram using an audible alarm and a red light panel.

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