

**Update: 2 Speed Fan and Exhaust Fan Not Detected Alarm**

**Summary:** A False alarm may be generated indicating “2 Speed fan not detected” or “Exhaust fan not detected” in firmware version 1.10.

**Background:**

The ZIP Economizer ships from the factory with auto detection enabled. When the Energy Module (ECON-ZIP-EM) is attached to the ECON-ZIP-BASE, the circuits on the module are deemed ready for use. When a circuit is attached to the IF and/or EF terminals, the circuits are auto detected and the menu prompts for setup of these functions. Once a circuit is detected, if it is ever disconnected or electrically open, an alarm will be generated stating the attached device is “not detected”.

**Problem:**

It has been found that in some cases there is a false detection. If the ECON-ZIP-EM is attached, and there is no circuit wired to EM or IF, and power is cycled (turned on and off), then the ZIP Economizer may falsely detect these devices upon power off. When the ZIP Economizer is again powered up, it realizes that there is in fact no circuit attached and will generate “2 Speed fan not detected” and / or “Exhaust fan not detected” alarms.

*Note: If either an Exhaust Fan or VFD for 2 speed fan is physically installed, then an alarm may be an indication of a real circuit problem.*

**What to do:**

The problem can be resolved by changing these devices from “auto” detected to “not available or “not installed”. Using the buttons on the ECON-ZIP-BASE, select the Settings menu, use the down arrow until menu item “Devices 1” is read. Push “OK” to enter the submenu. Arrow down until “EF” is read. Push OK to enter submenu. Arrow down until “not installed” is read. Push OK to select. Arrow down until “IF” is read. Push “OK” to enter the submenu. Arrow down until “not available” is read. Push OK to select. See settings menu below.

*Note: If either an Exhaust Fan or VFD for 2 speed fan is physically installed and being used, do not change make menu changes above, or the desired functionality will not work.*

Contact Customer Service or Technical Support for assistance or further information in Danbury 800-543-9038, Sparks 800-987-9042, Canada 866-805-7089 or Brazil + 55 11 3643-5656.

See below settings menu found on [Installation and Operations Manual](#) page 20.

