



Economizer

Troubleshooting Guide &

F.A.Q.

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Troubleshooting

Problem: Alarm: “compressor not detected”

Go to the Settings Screen
Press OK
Scroll down to Devices 1 Screen
Press OK
Scroll down to “Compressors” screen
Press OK
Set Compressor Quantity to 1 or 2

Problem: Alarm: “2 Speed Fan not found” and/or “Exhaust fan not found”

Note: These are nuisance alarms and do not affect the function of the economizer in any way

To clear these alarms:

Go to the Settings Screen
Press OK
Scroll down to get to “Devices 1”
Press OK
Scroll down to get to “2 Speed fan” screen
Press OK
Change to “not available” or “not installed”
Press OK
Scroll down to get to “Exhaust Fan” screen
Press OK
Change to “not available” or “not installed”
Escape back out to main screen

Problem: Alarm: RAT Detected, RAH not detected

Note: this is a nuisance alarm and does not affect the function of the economizer in any way

To clear this alarm:

Go to the Settings Screen
Press OK
Scroll to the Devices 2 screen
Press OK
Scroll down to the RAH Screen
Change from “Auto” to “Not Installed”
Press OK
Press escape to return to main screen

Problem: I did not get to the “set-up” complete screen after entering the zip code and Vent Minimum position

(stays on the Vent Min POS screen)

Escape out to the Settings Screen

Press OK

Scroll down to Devices 1 Screen

Press OK

Scroll down to “Compressors” screen

Press OK

Set Compressor Quantity to 1 or 2

Press OK

“Set Up Complete” screen should appear - The will begin scaling open and then a unit start-up countdown will begin.

Problem: The Damper fully closes instead of fully opens:

Check the black dial on the actuator to be sure the arrow is pointed up in the counterclockwise position. Change position if necessary

Problem: My Unit is “Short Cycling” (compressor turning on/off quickly)

Check the following:

Thermostat: is it mercury? If so, needs to be replaced - it will bleed voltage and cause “short cycling”

Monitor Live Conditions: go to the SA Temp screen and look at the SA temp for 1-2 minutes; is the temp jumping and going below 45 degrees? If so, the SA temp sensor is defective and needs to be replaced

Check Voltage to Y1: check Y1 to Ground or common - if 24V then call for cooling has made - if shows 0V @ Y1 to Ground but T-stat shows call for cooling, need to check the voltage at the T-stat - if 24V at t-stat then wires in between unit may be defective.

F.A.Q.

Q: What does ventilation mode mean?

A: That the fan is running, there is nothing wrong with the economizer

Q: What does unoccupied mean?

A: That there is no call for cooling

Q: How can I bypass the economizer?

A: Unplug the SAT+ and SAT- wires from the belimo controller OR

Unplug the SAT sensor in the fan section from the brown and orange wires

Q: Can I change the temperature that the mechanical cooling comes on?

A: **Yes - this can be changed**

Go to the Settings Screen

Press OK

Scroll down to the "high Limit Mod" screen

Press OK

Scroll down to the "high limit" screen

Press OK

Scroll down until you hit the High Limit screen that shows the temperature (not the BTU's)

Press OK

Temperature can be set for as low as 60 Degrees

Press OK to set new changeover temperature

Press ESC 3 times to get back to main status screen

Note: The change over temperature is predetermined by the zip code keyed into the controller at time of setup for the ASHRAE code for the area. If the high limit change over temperature is changed the economizer will no longer meet the ASHRAE code for energy efficiency