



SB0031

503

File In: N/A

ESG SERVICE BULLETIN

Affected Equipment: YPAL Rooftop Units

Subject: YPAL Unit Setup Parameter Changes

Issue Date: 05/06/03

Withdrawal Date: 05/06/04

Data Control Level: C

Materials Needed: None

Tools Required: None

Estimated Time Required: 15 Minutes

Warranty: Yes

Revision Notes: N/A

GENERAL

This service bulletin addresses software related issues with the YPAL (Eco²) Rooftop units that can affect system operation and reliability. Specifically, this bulletin pertains to Eco² units with software Version 1.42 and earlier, and all YPAL units that have an air measuring station option, regardless of software version.

As a result of software conflicts, compressor failures may occur due to incorrect compressor staging. To protect the compressors, adjustments to specific unit parameters must be accomplished per this bulletin. A subsequent service bulletin will be issued to address the replacement of the primary controller/software upgrade that will correct the problem. **DO NOT** delay in changing the operating parameters as outlined in this service bulletin in lieu of the primary controller change-out at a later date. Failure to make the changes indicated in this bulletin increases the risk of compressor failures.

Equipment was shipped with software Version 1.42 into November 2002. Any unit shipped after November 2002 will have either Version 1.56 or 1.57. It should also be noted that some units shipped before December 2002 may have later versions other than 1.42 due to field upgrades for various reasons, such as communication support. In any case, all software revisions presently in the field require the application of this service bulletin.

IDENTIFYING THE SOFTWARE VERSION

The software version can be identified using the OptiLogic control panel by pressing the "History" key, and then the "Back" key one time.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a York Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a York Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that York International reserves the right to revise this information at any time. Be certain you are working with the latest information. The York Service office nearest you may be found on the Internet at www.york.com.

CHANGING PARAMETERS

All effected parameters are located under the *Unit Setup* key on the OptiLogic control Center. Changing these parameters requires the Level 1 password, 9675. Refer to the Eco² Quick Start Guide, Form 100.50-NO1 (302), for instruction on changing passwords and parameters. The Quick Start Guide can also be downloaded from the Product Service website under *York Works library*. Go to *Commercial System Products*, then *Eco² Rooftop Units*.

All parameters shown in the table below should be changed to the OFF setting as indicated by the software version and unit type. Since every unit is affected by at least one parameter, the table has been simplified to encompass all unit options and ensure the proper protection of all units.

Unit Setup Key Parameter	Change Setting To:	Software Version	Unit Type Affected
Economizer Enable	OFF	1.42 (and earlier)	All
OA Flow Cntrl Enable	OFF	All Versions	All
SAT Econo Loading	OFF	All Versions	All
SAT Control for Cool	OFF	All Versions	VAV and Flexsys Only

WARRANTY

Costs should be submitted under warranty – one warranty claim per unit. This will provide confirmation of those units requiring/accomplishing the changes, in addition to providing a basis for those units requiring an updated primary control/software update in a subsequent service bulletin, as mentioned above.

Although the actual parameter changes in the program will only require minutes to accomplish per unit, it is recognized that travel time and site access takes additional time. With that, an additional two hours of labor per job site will be allocated for this purpose.