



BY JOHNSON CONTROLS

Service Information

File In/With: N/A

Supersedes SI0157 (812)

SI0157

REV

614

Equipment Affected: Series 100/YPAL Units with the IPU Controller (Revisions D, E, F, and G)

Software Update Procedure

GENERAL

During development of the IPU control for the Series 100 (formerly YPAL/ECO2) rooftop unit, the engineering team incorporated Flash Card technology into the IPU control. This technology allows the service technician to upload the latest software version to an existing unit quickly and easily.

Throughout the years several software revisions have been made. Some affected unit operation while others hid data that was not needed for certain unit configurations. At this time there is no warranty coverage for installing new software.

New versions of software can be downloaded from the JCI portal. Please follow the procedure in this service information letter for obtaining the new software.

There are only 2 approved SD cards for use in uploading new software. Use of other SD cards, be it a different manufacturer or a large or smaller capacity, could cause a software malfunction. JCI will not be responsible for damages if this occurs.

VENDOR	MODEL	TYPE	CAPACITY	JCI PART NUMBER
SANDISK	SDSDAA-002G	SD	2GB	031-02621-103
Delkin	SDX02GIAQ1-DUAAG00	SD	2GB	031-02621-103

Software Versions

There are currently two different versions of software available for the Series 100/YPAL units. While the basic programming and operation is the same, these two different software versions are not interchangeable. The correct version of software depends on the unit tonnage and revision (design level) Please see below for determining which software is used in which unit.

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 Johnson Controls, 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 Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

Product Technical Support

The unit tonnage is determined by the 3 numbers in the model number after YPAL.

The unit revision (design level) is determined by the next to last character in the model number.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BASE PRODUCT TYPE				NOMINAL CAPACITY			APPLICATION		REFRIGERANT	VOLTAGE		DUCT LOCATIONS		DESIGN SPECIAL	
Y				0	5	0			B	1	7				
			L	0	5	1			C	2	5	208	230	3	60
			A	0	5	5			E	2	8	230	3	60	X
			P	0	6	0		C		4	0	380	3	60	S
				0	6	1		V		4	5	400	3	50	
				0	6	5		F		4	6	460	3	60	
				0	7	0				5	8	575	3	60	
				0	7	5		C							B
				0	8	0		N							L
				0	8	5		G							R
				0	9	0		M							
				0	9	5		E							
				1	0	5		S							
				1	0	6		H							
				1	1	0									
				1	1	5									
				1	2	0									
				1	3	0									
				1	5	0									

Software Version C.ECO.01.XXX

- Used if the revision (design level) is D or E regardless of tonnage.
- Used if the revision (design level) is F or G and the tonnage is 070-150.

Software Version C.LCR.02.XXX

- Used if the revision (design level) is F and the tonnage is 050, 051, 060, or 061.

WARNING: If you have software version C.ECO.01.01, you must first install version C.ECO.01.02 before installing the latest version. Version C.ECO.01.02 can be found in the same location on the JCI portal as the latest software version.

Procedure for downloading to SD card

- Please contact Commercial Products Technical Support for the latest software version.
 - a. 1-877-329-7430 then option 2

OR

 - b. cg-escommercialtechsupport@jci.com
- Please include the full model and serial number of the unit(s).
- Commercial PTS will send the latest software version via email.
- The software will need to be transferred from the email to an SD card.
- Insert the appropriate SD card in the SD card slot on a computer.
- Please ensure that the SD card is blank.
- Click on the software version in the email and “SAVE” the software to the SD card.
- Once the software is saved, change the name of the software to “SOFTWARE.BIN”.
- If a message appears stating, “Changing a file name may cause it to become unstable, do you want to proceed” please select “YES”.
- Once the software is saved on the appropriate SD card, it is now ready for downloading in the Series 100 unit.

Procedure for updating software in Series 100 unit:

- Press the “X” key on the keypad.
- Write down the current software version.
- Turn “OFF” the unit control switch (located beneath the arrows/X/checkmark keys).
- Carefully insert the appropriate SD card into the SD card slot on the IPU board.
- Turn the unit control switch “ON”.
- Press the “Service” key.
- Enter the password, 9725, then press the checkmark key.
- If the display does not show “Data Log Format”, push the “Service” key again.
- Once the display shows “Data Log Format” use the down arrow until the screen shows “Update Flash OFF”.
- Press the checkmark key use the right arrow key to change “OFF” to “ON”, and again press the checkmark key.
- The download process should take approx 1-2 mins. Once the download is complete, “Update Flash” will change back to “OFF” If “Update Flash” changes back to “OFF” in about 15-30 seconds, the download was not complete, and will need to be done again.
- Turn the unit control switch “OFF”.
- Turn “OFF” the main power to the unit for 30 seconds.
- Turn “ON” the main power to the unit. After a several second “boot-up” process, the main screen should be displayed. Please ensure the latest version of software is displayed.
- Turn the unit control switch “ON”.
- Software update is now complete.

WARRANTY

This Service Information Letter does not authorize any updating of software in the field. When a software update is required a separate Service Bulletin will be published. The Service Bulletin will explain what changes were made in the software and document which units require the update.

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