



# **Method Statement**

for

# AIR TO WATER HEAT PUMP – CAREL CONTROLLER FIRMWARE UPGRADE AND FACTORY RESET

Issue Record

REV	DATE	DESCRIPTION	PREPARED	REVIEWED	REF
0	2023-01-19	Issued for Approval	DAPHNE GARNEAU	ROGER ABDO	MS-HP-02





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#### Scope of Work

This method statement covers the factory reset and firmware upgrade of HSS030V2LM, HSS060V2LM, HSS080V2LM, HSS080V2LS, HSS060V2LS, HSS080V2LS models (Split and Monoblock).

#### **Factory Reset**

Factory reset will restore all controller settings to default factory values. All customized settings will be permanently deleted.









#### Step 4:

After reset is completed, controller will ask user to confirm language settings.

Press the "Prg" program

Enter password (password must be obtained from local distributor) and then press the enter *t* button.



With the up 🔄 and down

土 arrows, scroll down to "Write Defaults" line and then change "NO" to "YES" with the same arrows, then press "Esc" button to confirm selection.



Method Statement for ATW Heat Pumps Carel Controller Factory Reset and Firmware Update

Prg Esc	Press ENTER to switch OTHER PARAMETEF	M09 RS	↑ ↓ ↓	Step 8: With the arro screen a	up <b>1</b> and down ws, go to M09 Menu and press the enter on.
Other ParDig. InpuSel. NO/1 Flow st2 Linkag3 A/C Lin5 Phase	ameters It cfg NC Contact witch e switch tkage switch switch	0t06 NC NC NC NO		Step 8: With the Menu so enter reach A Settings. to "NO"a button.	up and down ws, go to 0t06 Sub- creen and press the button until you /C Linkage Switch Change from "NC" und then press "Esc"

#### Software/Firmware Upgrade

To upgrade Heat Pump Carel Controller Firmware, first connect heat pump to power while keeping machine switched off.



#### Step 1:

With a micro-USB cable, connect the Carel controller main board to a computer.

\$6**!**#\$

Carel controller memory is accessible, via computer, like any other USB memory card.

Open USB main folder, go to the UPGRADE sub-folder. A file with \*.ap1 extension should be present.



Method Statement for ATW Heat Pumps Carel **Controller Factory Reset and Firmware Update** 



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#### Step 2:

Delete existing ap1 file and replace it with the up-to-date firmware file. Rename new file in "UPGRADE" folder to Autorun.ap1, press enter, then unplug the micro-USB cable from computer and Heat Pump Carel control board. After few seconds, automatic upgrade will start which will require around 20-25minutes. 

<u>N.B</u> : If upgrade	does	not start automatically, Press both	Ŗ
and 🛩 at	the s	ame time. Move cursor to UPGRAD	)E and
press the enter	4	button to confirm choice.	





Once upgrade is completed, do the following steps:



#### Step 3:

Press both and at the same time. Move cursor to application and press the enter button to confirm selection.

#### Step 4:

Move cursor to "WIPE RETAIN" and press the enter button. Factory reset is initiated.

#### Step 5:

When reset is completed, controller screen will show "Initialization completed" message.







#### Step 6:

After reset is completed, controller will ask user to confirm language settings.

#### Step 7:

Press the "Prg" program button.

Enter password (password must be obtained from local distributor) and then press the enter *t* button.

#### Step 8:



#### Step 9:

and down

➔ arrows, scroll down to "Motor Type" and select the compressor model as follows: for HSS030V2LS select H240D5KZAAJ2, HSS060V2LS select H420D5VZAAJ2, HSS080V2LS select H550D5VZAAJ2.

Scroll down to "Write Defaults" line and then change "NO" to "YES" with the same arrows, then press "Esc" button.



Method Statement for ATW Heat Pumps Carel Controller Factory Reset and Firmware Update



1 M09 Press ENTER to J Prg switch OTHER PARAMETERS Esc L ↑ 0t06 Other Parameters , Dig. Input cfg Sel. NO/NC Contact 1 Flow switch NC Prg 2 Linkage switch NC 3 A/C Linkage switch NC L 5 Phase switch NO Esc

## Step 10:



#### Step 11:

With the up and down arrows, go to 0t06 Sub-Menu screen and press the enter button until you reach A/C Linkage Switch Settings. Change from "NC" to "NO"and then press "Esc" button.