


# Hot Key (P/N 318-7504) Download and Upload Procedures - For XM Units Only

## Technical Bulletin

XM controllers can download or upload the parameter list from its own non-volatile internal memory to the Hot Key and vice-versa through a 5-pin connector. The Hot Key will not change the **Adr**.

### Download Procedure (From the Hot Key to the Controller)

1. Turn OFF the controller by pressing the on/off button  for 5 seconds. **OFF** will display. Insert the Hot Key into the 5-pin connector labeled **HOT-KEY**, and then turn the controller back ON by pressing the on/off button again for 5 seconds. The normal temperature value will display to indicate the controller is ON.
2. The parameter list of the Hot Key is downloaded into the controller memory automatically and **doL** will display. After 10 seconds, the controller will start working with the new parameters.
3. **End** will display at the end of the data transfer phase if the controller is programmed correctly. **Err** will display if there is an error or failure in programming.
  - **End** = correct programming. This means the controller will start regularly with the new programming.
  - **Err** = failed programming. In this case, turn the controller OFF and then ON if you want to restart the download again or remove the Hot Key to abort the operation.
4. Remove the Hot Key.

*Note: The procedure may fail if the firmware version and the controller models are different.*

### Upload Procedure (From the Controller to the Hot Key)

1. When the XM controller is ON, insert the Hot Key into the 5-pin connector labeled **HOT-KEY**.
2. Press and release the up arrow button.
3. The upload will begin, and **UPL** will blink on the display. **End** will display at the end of the data transfer phase if a successful upload has occurred. **Err** will display if there is an error or failure in programming.
  - **End** = correct programming
  - **Err** = failed programming. In this case, press the **SET** key if you want to restart the programming again or remove the unprogrammed Hot Key.
4. Remove the Hot Key.

*Note: The upload procedure will overwrite everything previously uploaded from the last Hot Key upload.*

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