

Setting Optional Modes

Level Change of Error Code CH200 (SE14)

Error code CH200 is an “Auto pipe search failure - Failure to find an indoor unit,” and displays on all zone controllers, central controllers, and BACnet and LonWorks gateways. After auto operation, Error Code CH200 will display if the number of the indoor units detected is different from the number of communicating indoor units. The response to Error Code CH200 is usually a Level 1 type, which will shut down the outdoor unit(s). The Level Change of Error Code CH200 function will change the Level 1 response to a Level 3, which allows the system to operate instead of automatically shutting down. The system shuts down with an Error Code CH200 if there is one (1) or more indoor unit(s) that have no power and the possibility exists that an electronic expansion valve is open, or if liquid could return to the compressor. Apply this function only after confirming that all indoor units without power (or indoor units that cannot establish communication with the outdoor unit) have expansion valves in the closed position.

Use in applications where the LG-trained service technician wants to restart a system for diagnostic purposes, or to operate the system for an extended period with no power to one (1) or more indoor units. The system can operate safely without damage to the compressor if:

- The indoor unit(s) currently without power / communication was (were) turned off using the on / off button;
 - The last operating mode for the indoor unit(s) currently without power / communication was (were) Fan Only (thermal off);
 - The LG-trained service technician confirmed the expansion valve for the indoor unit(s) currently without power / communication was (were) closed using LGMV;
 - The space temperature was well above / below the setpoint, and the indoor unit(s) currently without power / communication was (were) not calling for heating or cooling (thermal off condition was confirmed);
- or;
- Isolation valves on both the liquid and vapor piping are closed.

The error code cannot be removed until the malfunction is fixed, a successful auto pipe search function is complete, and the outdoor unit PCB is reset using the SW01D Reset Button.

For use on heat recovery systems only.

Table 48: Setting the Level Change of Error Code CH200 Function.

Settings	Function
oFF (Default)	Level Change of Error Code CH200 is Not Enabled. Level 1 / Outdoor Unit Shutdown and Manual Restart Required.
on	Level Change of Error Code CH200 is Enabled. Level 3 / Outdoor Unit Continues Operation and CH200 Error Code is Displayed

Note:

When this function is enabled (Level 3), the LG-trained service technician must not leave the system unmonitored without re-establishing power and communication to all indoor units, or locking out all indoor units that are not properly communicating with the outdoor unit. Leaving the outdoor unit operating with CH200 unresolved creates a potential for compressor slugging (and eventual damage) if the error code was due to indoor unit power loss.

Note:

During initial system commissioning (or re-commissioning) Error No. CH200: Pipe Detection Error – failure to find indoor unit”, by default, calls for an immediate shutdown without first performing any auto restart attempts. For more information on CH200, see the Troubleshooting section.

Figure 38: Setting the Level Change of Error Code CH200 Function.

