

SUBJECT:
Error Code 7
CIM Control Board 9101414-01 Revision B

Number: 2022-09
Product: CIM Control Board
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From: Technical Services

As a part of Ice-O-Matic's efforts in continuous improvement a new error code has been added to the CIM product line's control board, 9101414-01 Revision B. Error code 7 indicates when there may be a problem with the water system of the ice maker. It is indicated by a repeating quick triple red and yellow flash of the ice maker interface LEDs.

At the start of the freeze cycle, after pre-chill and fill, the high float switch is satisfied (open). When the water pump starts to circulate water over the evaporator, there is an immediate drop in water level, causing the high float switch to close. The control board now watches for the high float switch to close within 15 seconds of starting the water pump. If the high float switch does not close after the water pump starts, it may indicate the following issues:

- Faulty/stuck water pump
- Faulty control board pump relay
- Broken electrical connection between the water pump and control board
- High float switch stuck in the up position
- A broken connection between the high float switch and control board
- The water inlet valve leaking through, caused by:
 - High incoming water pressure
 - A defective water inlet valve
 - Debris or air trapped in the water inlet valve
- Little to no water purge during harvest, caused by:
 - A bad purge valve
 - A bad electrical connection between the control board and purge valve
 - A bad purge valve relay on the control board
 - Too much back pressure on the purge line from poorly run and/or unvented drain lines connected to the ice maker

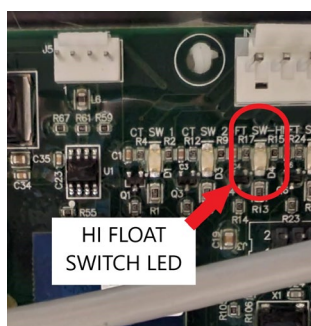


Figure 1: CIM Control Board 9101414-01

When the high float switch does not drop (close) within 15 seconds, the control board deenergizes the water pump relay for 15 seconds in an attempt to clear any debris from the water pump or knock a stuck high float switch free. The control board proceeds to turn the water pump relay on for 15 seconds and off for 15 seconds two more times. If the high float switch does not close during these attempts, the ice maker shuts off and goes into Error Code 7 to protect the ice maker from running with no load (water) on the evaporator plate.

After experiencing an error, a CIM series ice maker can be reset by holding the power and clean buttons for 3 seconds.