MANITOWOC ICE
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Instruction Sheet

Subject: Replacement Control Board

KOOLAIRE MODULAR & NEO MODELS

⚠Warning

Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection / lock out / tag out procedures for all utilities including electric, gas, water and steam.

DANGER

Disconnect electric power to the ice machine and condensing unit at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

⚠Warning

This equipment contains refrigerant charge. Procedures must be performed by a properly trained and certified refrigeration technician aware of the dangers of dealing with refrigerant charged equipment.

This control board is used on Koolaire and NEO models.

Koolaire or NEO UF0140, UF0240, UF0310 Models

1. Disconnect electric power at the main power disconnect.
2. Remove panels required to access the control board.
3. Note locations and disconnect wiring from control board and remove control board.
4. Snap replacement control board onto mounting pins and reinstall wiring. NOTE: Older Koolaire models may require 180 degree rotation of the replacement control board.
5. Reinstall removed panels.
6. Reconnect power and test run the ice machine to verify correct operation

NEO MODELS ONLY

NEO model ice machines will have the following operational changes.

WITH WATER TROUGH THERMISTOR

The following sequence occurs in the freeze cycle:

- When the temperature of the water reaches 34° F the water pump de-energizes for 25 seconds, then re-energizes.
- When the water pump restarts the water inlet solenoid energizes for 7 seconds.

WITHOUT WATER TROUGH THERMISTOR

The following sequence occurs in the freeze cycle:

- At 3.75 minutes the water pump de-energizes for 25 seconds, then re-energizes.
- When the water pump restarts the water inlet solenoid energizes for 7 seconds.

KOOLAIRE MODULAR ONLY

The following sequence occurs in the freeze cycle:

- If at 3 minutes the ice thickness float switch is open, and the water inlet solenoid has de-energized, the inlet solenoid shall energize for 12 seconds.
- If at 3 minutes the ice thickness float switch has not opened, the water inlet solenoid shall remain energized until the thickness float switch open or until the time reaches a maximum of 6 minutes.

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