Service Communicator

Subject: Wire Routing For Control Board Inputs

Control board inputs consist of the following:

- Ice Thickness Probe
- Water Level Probe
- Toggle Switch
- Bin Switch
- Bin Level Probe (Flake/Chiplet Ice Machines Only)

When low voltage control board inputs are diagnosed or replaced, pay special attention to wire routing. High (line) voltage wiring generates an electrical field that could transmit through the low voltage wiring to the control board. A control board responding to this false signal will not operate correctly. All Manitowoc ice machine control boxes have seperate entrance/exit locations for line (high voltage) and input (low voltage) wiring. When replacing any of the components listed above, route the wiring for the new component with the existing low voltage wires.

All low voltage wiring must route together as it exits the control box.

Bundle and secure excess low voltage wiring away from line voltage wiring.

Never route low and high voltage wiring together.

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