

Scotsman Commercial Ice Systems

Technical Update

August 2010

Prodigy Cuber Code Diagnostics

One of the many useful features of the Prodigy Cuber is the diagnostic code the controller displays. Here is a list of the codes with some of the more likely causes:

Code 1: Long freeze cycle

- Shortage of water, made no ice
- Water pump not circulating water
- Very high room temperature
- Condenser dirty
- Air cooled - fan motor not working
- Water cooled - water interruption
- Compressor overheating
- TXV superheat too high or low
- Low refrigerant charge

Code 2: Long harvest cycle

- Shortage of water, made no ice
- Water pump not circulating water, made no ice
- Curtain switch not opening when curtain does
- Harvest assist probe does not move out and/or in
- Hot gas valve not opening

Code 3: No water sensed

- Water filters plugged up
- Water valve did not open

Code 4: High discharge temperature

- Air cooled – recirculation of condenser air
- Remote – low refrigerant charge or high superheat

Code 5: Sump temperature sensor failure

- Sensor resistance out of range

Code 7: Discharge temperature sensor failure

- Sensor resistance out of range

Code 8: Short freeze cycle

- Irregular water flow
- Bridge too thin
- Shorted wire or sensor