

Ice bank control CH305 DINFER ELECTRONICS

1. Unit description

The unit CH305 has been designed for its use in refrigerator cabinets for beer and carbonated beverages. It controls the thickness of the ice bank formed on the water-cooling coil. The unit will cause that compressor start as soon as the sensor detects the absence of ice between its tips. Once the sensor detects ice, unit will stop the compressor. Therefore, by keeping a constant thickness of the ice bank, it manages to control the fluid temperature inside the water-cooling coil.

Its design includes a micro controller which controls all the operations that need to be performed. Unit integrates the required terminals for the electrical connections, making easy this labour.

2. Technical specifications

Electrical characteristics

- Feeding tension:	230VAC 50/60Hz
- Absorbed power:	2VA MAX
- Actor:	Relay 1 contact NA/16A
- Sensor type:	SH / 2 electrodes AISI-304
- Tension in sensor:	< 24VAC
- Average amp in sensor:	< 1,3μA
- Operating temperature:	-20C to 70C
- Effective conductivity range:	100μS to 2500μS
- Connctions:	5 FASTON terminals



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External measurements and unit wiring

