

Ice bank control CH405M DINFER ELECTRONICS

1. Unit description

This unit has been designed for its use in refrigerators for beer and carbonated beverages. It controls the thickness of the ice bank formed on the water-cooling coil.

The unit will make compressor stop once ice has been detected between the sensor tips. After 20 minutes of obligatory halt, it will start the compressor if it does not detect ice. Therefore, by keeping a constant thickness of the ice bank, it manages to control the fluid temperature inside the water-cooling coil.

During the first 5 minutes from the unit connection, you can verify the right operation of it, so if you short circuit both terminals of the conductivity probe, relay must activate.

This unit monitors permanently the tension feeding from the electronic networking, preventing the compression operation if the feeding is up or down to 10% of nominal tension 230 VAC.

Its design includes a micro controller which controls all 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:	1,5VA MAX
- Actor:	Relay 1 contact NO/16A
- Sensor type:	SH / 2 electrodes AISI-304
- Tension in sensor:	14μVDC
- Average amp insensor:	< 1μA
- Operating temperature:	-20 C to 70C
- Effective conductivity range:	100μS to 3500μS
- Connections:	8 FASTON terminals

External measure

