

Ice bank control CH605M 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.

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:	2VA MAX
- Actor:	Relay 1 contact NA/16A
- Sensor type:	SH / 2 electrodes AISI-304
- Tension in sensor:	< 24VAC
- Average amp sensor:	< 1,3μA
- Operating temperature:	-20C to 70C
- Effective conductivity range:	100μS to 2500μS
- Connections:	13 FASTON terminals



External measurements and unit wiring

