

Ice bank control CH405 DINFER ELECTRONICS

1. Unit description

The unit CH405 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. Unit will make the compressor start when the sensor detects the absence of ice between its terminals. 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:	1,5 VA MAX
- Actor:	Relay 1 contact NO/16A
- Sensor type:	SH / 2 electrodes AISI-304
- Tension in sensor:	14μVDC
- Average amp in sensor:	< 1,μA
- Operating temperature:	-20C to 70C
- Effective conductivity range:	100μS to 3500μS
- Connections:	8 FASTON terminals

External measurements and unit wiring

