

Ice bank control IC200 DINFER ELECTRONICS

1. Unit description

The unit IC200 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.

It has been designed with socket plug connectors fitted to the connecting output in order to prevent from any moisture leaking into the unit.

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:	2 socket plug connectors



External measurements and unit wiring

