

# 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 tha 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:

- Absorbed power:

- Actor:

- Sensor type:

- Tension in sensor:

- Average amp in sensor:

- Operating temperature:

- Effective conductivity range:

DINFER

- Connetions:

230VAC 50/60Hz

2VA MAX

Relay 1 contact NA/16A SH / 2 electrodes AISI-304

< 24VAC

 $< 1.3 \mu A$ 

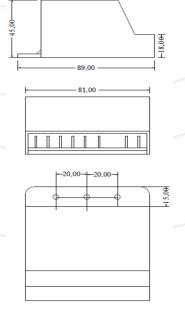
-20C to 70C

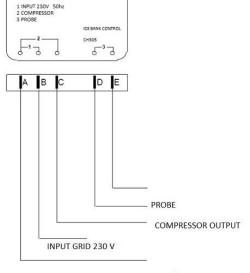
100µS to 2500µS

5 FASTON terminals

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#### External measurements and unit wiring





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