Digital controller TDORION
DINFER ELECTRONICS

1. Unit description

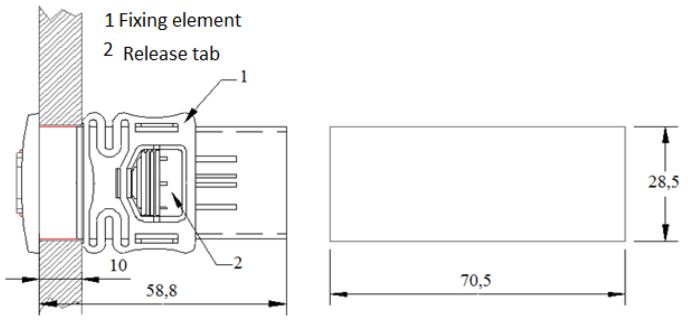
The unit TDORION is a digital thermostat used to control ORION refrigeration systems, being adaptable through parameters menu.
The device is designed to work in a single tank with a standart ice bank control across a first conductivity probe C1 and a security second conductivity probe C2 in order to stop the stirrer-bomb if the compressor´s relay remains closed because of a fail, saving the life of the agitator.
It implements a temperature probe NTC to measure the water temperature, in such a way that if the temperature exceeds the setted point, the stirrer- bomb stops pumping water to the instalation, getting that the beer temperature does not grow up quickly, and allowing time of service to the customer until the incidence is solved.
The device will show on screen the alarms of the possible incidences that could happen in the system.

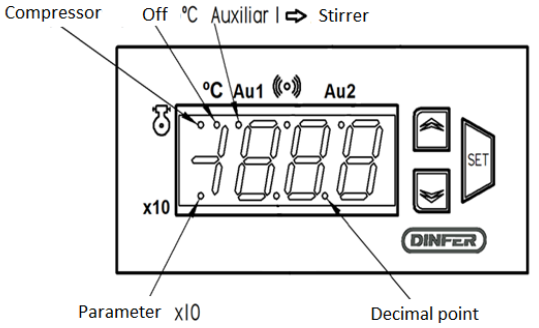
2. Technical specifications

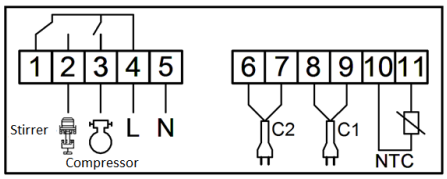
Electrical characteristics

- Equipment for controlling refrigeration systems ORION
- Absorbed power: 2VA MAX
- Actor 1: Relay 1 contact NO/16A
- Actor 2: Relay 2 contacts NO/6A
- Sensor type (temp): NTC6K8/NTC10K (25C)
- Sensor type (cond): SC / 2 electrodes AISI-304
- Effective conductivity range: 100µS to 4000µS
- Temperature range: -40C to 99C
- Connections: 10 terminals

External measurements and unit wiring







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