

BEER COOLER SPARE PARTS

PART # Ice2000



Product Name

Ice Thickness Controller

Product Description

The unit ICE 2000 has been designed for its application in draft beer and carbonated drinks refrigerators.

It controls the ice block thickness in the water cooler coil. In this way being constant the thick of the ice block, we get enough control of the inner flow of the coil to refrigerate.

The thickness of the ice block is read by a sensor of conductivity mod. SH 1 with a security tension of 12V. This tension makes a electric currents of milliamps in the water of the cooler, when the ice appears around the coil, the conductivity of the mix water-ice gets down and with this the electric current too. The reading of the conductivity of the ice sensor SH1 is read by the ICE2000 unit and after being filtered, it is compared with an inner reference. The result of this comparison is submitted to a differential process and this turn on the compressor through a unipolar relay, with capacity to handle until $\frac{1}{2}$ CV of power.



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If you have any other technical question about this product please email us at info@kromedispense.com

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Electrical Charactersticks

Power supply	230V AC. 50/60 Hz
Absorbed power	2 VA. Maximum
Relay	1 Open contact
Maximum intensity in the contacts of the relay	16Amp.(Load resistive)
Type of sensor	SH 1 (2 electrodes)
Tension in probe in reading	14,60V ac.
Mean intensity in connectors of the probe	1 μ A.
Storage temperature and operation	-10° C to 70° C
Recommended conductivity water	100 μ S a 5000 μ S

μ S= micro siemens

μ A= micro amps

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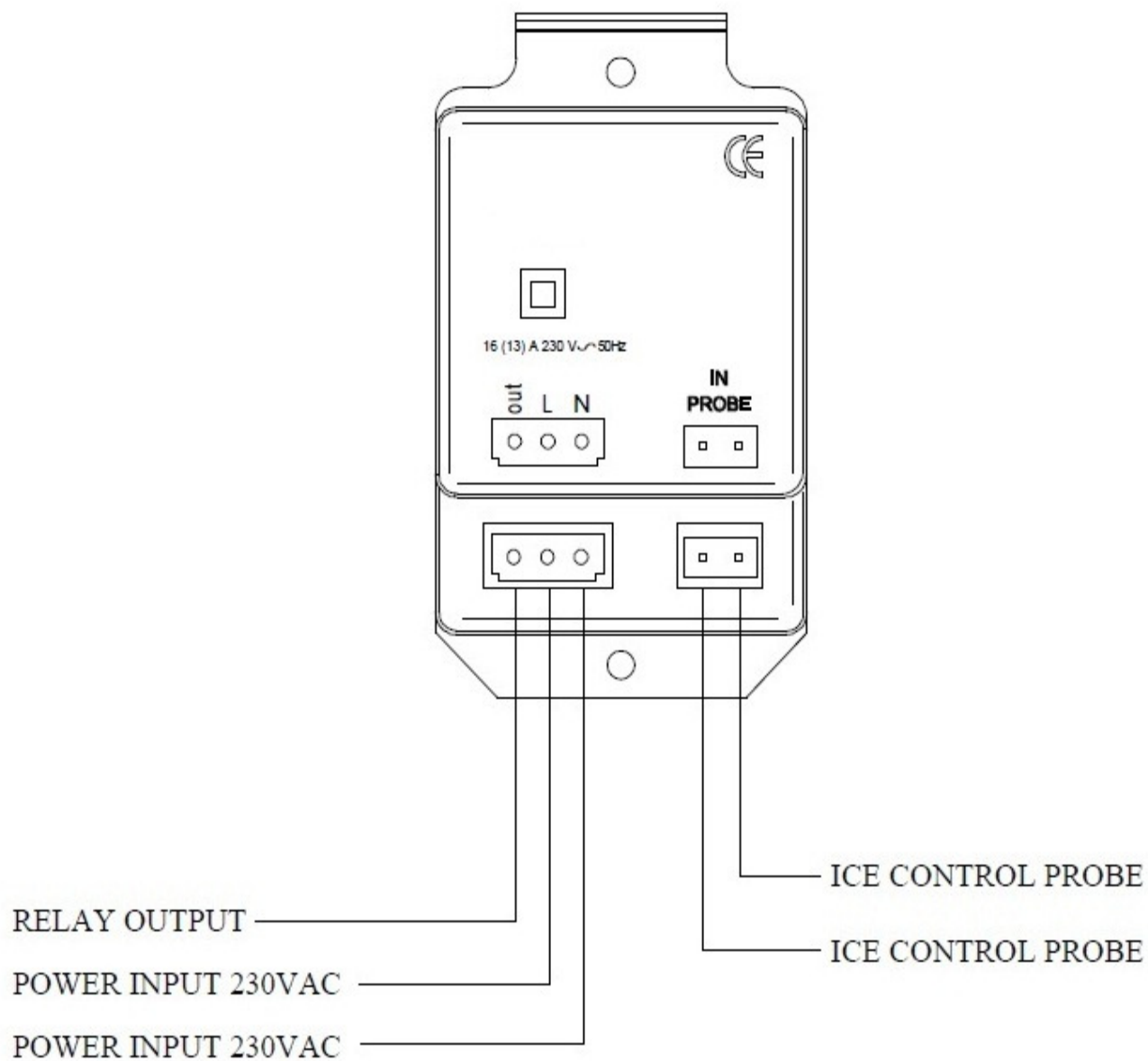
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Electrical Connection



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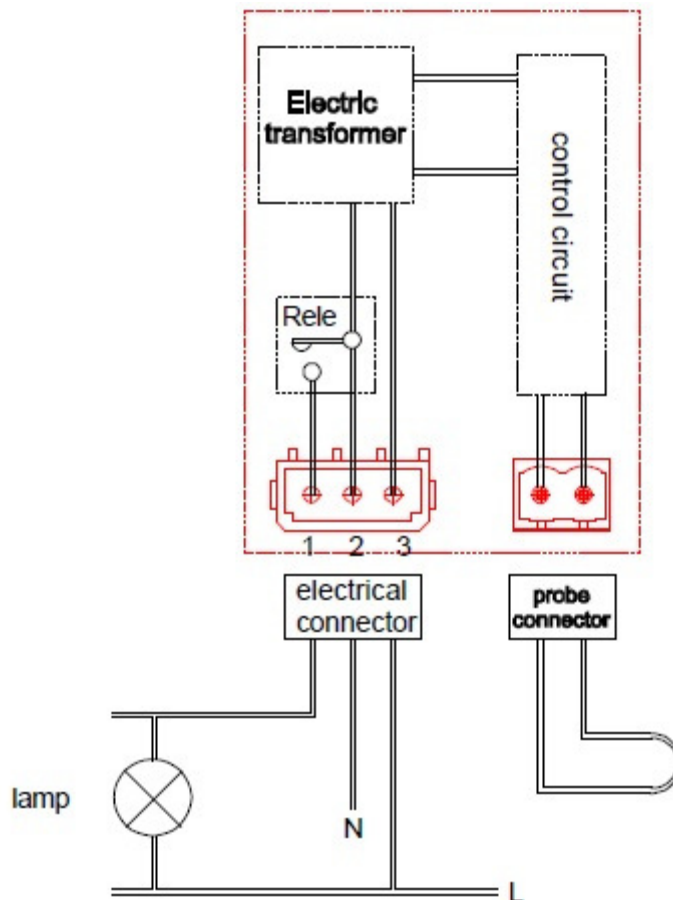
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Unit Verification

In this unit, the verification is very simple, we prepare two connectors how shown in the attached plan:



Once the two connectors are ready and connected to the ice control, the electrical current can be connected (230V AC) the lamp should turn on in the points N and L, giving the first good operation sign, in that moment the bridge of the probe is putted off, if the lamp is turned off elapsed a time of approximately 20 to 30 seconds, the control is correct.

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