

- ❑ **Controlled ice production for cooling purposes**
- ❑ **Combination of sensor and evaluator**
- ❑ **Ice thickness selectable by 4 stages**
- ❑ **Changeover contact when reaching the preselected ice thickness**

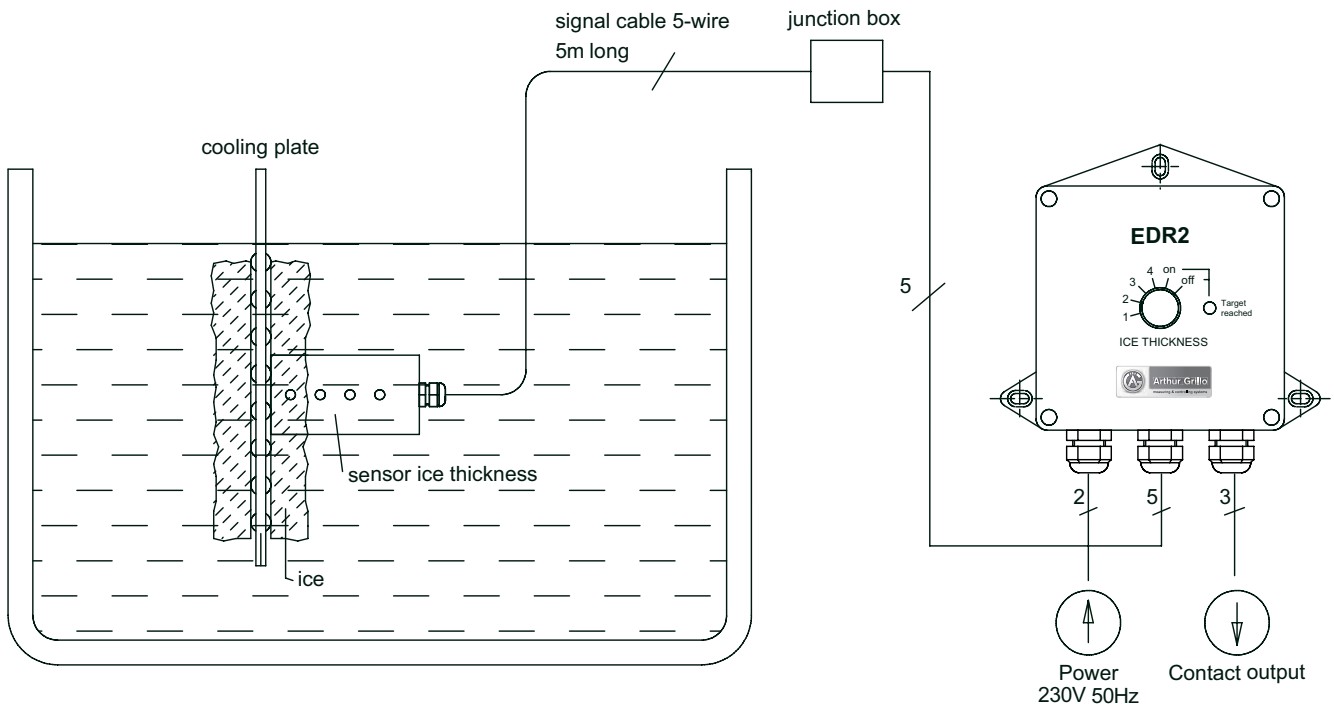
The ice thickness controller – EDR2 improves the automatically production of ice.

Normally, ice is produced, in a filled basins in which cooling plates are positioned. On those plates ice layers grows continuously till the freezing process is switched off. A continuous constant ice thickness cannot be achieved via the conventional method.

The EDR2 was developed in order to improve this process and make it independent. With the new EDR2 the ice production is fully controlled and automated. A special designed sensor bar checks continuously the ice thickness and turns a cooling device on or off.

Now, we can secure a continuous constant ice thickness in four preselect stages. The selection of the presetting are customer specific and can be individual defined at order.

The application range of EDR2 is for example: Ice production for cooling purposes or also in the control of brine-water heat pumps with ice storage.



Ice thickness controller comes with a 5m long colour-coded cable to connect EDR2 to the cooling plate.

The EDR2: Wall mounting housing made of ABS, dimensions 120 x 122 x 55 mm (WxHxD), protection class IP65, supply voltage 230 Vac. Preselection of the ice cover in 4 stages, indication via LED and floating changeover contact when reaching the chosen ice thickness. In 2 further selection stages the associated relay can permanently switched on or off.