INTELLIGENT MONITORING CONTROL SYSTEMS
REMOTE CLIMATE CONTROL

Dantherm®
CONTROL YOUR CLIMATE
The Dantherm Intelligent Monitoring Control system (IMCS) is a cloudbased sensor solution designed to control and monitor drying processes after water damage from remote. The IMCS optimizes the drying process and is especially useful for Damage Control Companies and Insurance Companies.

You only need to visit the damage location twice when installing IMCS on location. Firstly, when you set-up the drying process and secondly, when it is completed and you can pick up your equipment and move it to a new damage location.

With IMCS you can remotely follow the status of heaters and dehumidifiers installed at different locations instantly on your tablet or computer. The data is gathered from wireless sensors on location and available in the cloud on the IMCS dashboard. The system has a simple and intuitive user interface for easy operation for all personnel.

**IMCS consists of:**

**IMS** The wireless sensor IMS measures temperature and humidity in the room and communicates with the IMC unit.

**IMC** The IMC collects the data from several IMS units (up to 32 sensors) and sends data via GSM to the cloud.

**IMR** This can be connected between the power plug and the heater or dehumidifier and allows to remotely or automatically turn on/off the heater or dehumidifier. Integrated in Dantherm CDT mobile dehumidifiers.

**FEATURES INTEGRATED WITH DANTHERM CDT MOBILE DEHUMIDIFIERS**

- Remotely on/off for CDT from dashboard.
- Alarm if the dehumidifier is turned off by mistake.
- Remote reading of sensor (IMI) implemented in the CDT (humidity and temperature).
- Reading of power consumption and energy consumption aggregated.

**KEY FEATURES**

- Mobile cloud-based system (GSM) transmitting temperature, humidity data and power consumption from sites to a web dashboard.
- Documents the process through data and graphs in real-time showing temperature, humidity, saturated vapour pressure, dew point, water content, kW, and kWh.
- Reduces the need for constant supervision at the damage site to a minimum.
- Remote on/off of equipment.
- High accuracy sensors +/- 1,8 %.
- Alarms programmable on sensor level and email notification if thresholds are exceeded.
- Data logging.
From your computer or tablet you can access data in the cloud and read information about temperature, humidity, running time and energy consumption from all your sites.

**The system allows:**

**MONITORING:** IMCS monitors the function of each dehumidifier and heater installed.

**RECORDING:** IMCS records the level of humidity or temperature on location, giving a secure documentation about the drying process.

**REDUCING COSTS:** IMCS reduces operating costs because there is no need to visit the site and, once the level of humidity or temperature is reached, the equipment can be discontinued remotely.

**HOW IMCS WORKS**

The IMS sensors measure the temperature and the humidity in the room and send the information to the IMC, the GSM communication unit. The IMC sends the information to the cloud and it is available for all personnel.

**IMC (GSM unit)**

Control unit.

**IMS (sensor)**

Sensors of humidity and temperature.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>IMS (sensor)</th>
<th>IMC (GSM unit)</th>
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</thead>
<tbody>
<tr>
<td><strong>IMC (GSM unit)</strong></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 32 sensors per system</td>
</tr>
<tr>
<td>Power</td>
<td>V</td>
</tr>
<tr>
<td>Transmitting</td>
<td>GSM-signal present</td>
</tr>
<tr>
<td>Product size (L x W x H)</td>
<td>mm</td>
</tr>
<tr>
<td><strong>IMS (sensor)</strong></td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>3 pcs alkaline AAA</td>
</tr>
<tr>
<td>Transmitting</td>
<td>Wireless 433</td>
</tr>
<tr>
<td>Size sensor (L x W x H)</td>
<td>mm</td>
</tr>
<tr>
<td>Size probe (L x Ø)</td>
<td>mm</td>
</tr>
<tr>
<td>Accuracy probe</td>
<td>%RH</td>
</tr>
<tr>
<td>Temperature range probe</td>
<td>ºC</td>
</tr>
<tr>
<td>Humidity range probe</td>
<td>%RH</td>
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On the dashboard the user can follow all installations in real time data and charts. Alarms can be programmed on sensor level and equipment can be turned on/off remotely. The user can easily create any chart both on screen and in editable Word and Excel files.
ABOUT THE DANThERM GROUP

Control your climate

The Dantherm Group is a leading provider of climate control products and solutions. The group companies have more than 60 years of experience in designing and manufacturing high quality and energy efficient equipment for heating, cooling, drying and ventilation for a wide range of mobile and fixed applications.

Every year Dantherm Group uses significant resources on product development to stay in the forefront and is constantly adapting the products to changing market demands and legislation.

The Dantherm Group has a number of strong brands with well-established market positions in the mobile, pool, commercial/industrial and residential markets.

Dantherm Group customers benefit from our comprehensive knowledge base and the experience and expertise that we have gained from more than three million climate control products and solutions sold worldwide.

Global reach

The Dantherm Group is headquartered in Skive, Denmark and has an own market presence in Norway, Sweden, United Kingdom, Germany, Switzerland, Italy, Spain, Poland, Russia, China and United Arab Emirates.

In 2016 the Dantherm Group was acquired by the Swedish equity fund Procuritas Capital Investors V LP – a strong owner with the ambition to continue the development and growth of the company.

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