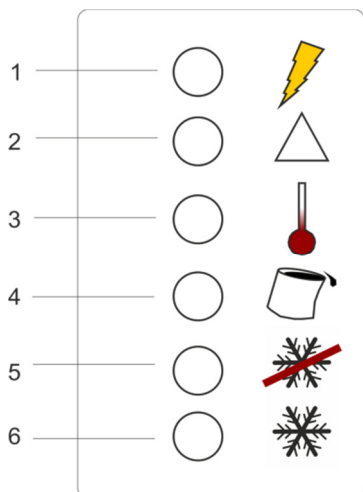


CDT35 & CDT50 Dehumidifier

Electronic control

The entire control of the unit, inclusive of safety, control and ON/OFF functions is taken care of by the CDG 2 circuit board. The light diodes on the control panel give the following indications:



- 1) The unit is on and the compressor is running
- 2) The temperature/pressure on the condenser side is too high. The unit is switched off for 45 minutes before an automatic restart. The LED is on and indicates a failure
- 3) The temperature in the room is too low. At temperatures under 3 °C the unit stops. If the ambient temperature increases to more than 3 °C, the unit starts again automatically
- 4) The unit is switched off because the water container is full
- 5) The unit is in defrosting mode. During defrosting the compressor is working and the fan is stopped
- 6) The evaporator is icing up

Troubleshooting

Note: Wait 1 minute before starting to locate the fault as the electronic control may have switched off the unit for safety reasons. If the unit does not work it should be switched off immediately

| | | |
|--|---|---|
| There are signals from the LED's on the electronic control | Pressure and temperature on the high pressure side of the cooling plant is too high | Check the unit and filter for dirt, check that the fan is working |
| | The room temperature is below 3 °C | Wait until the room temperature is above 3 °C |
| | The water container is full | Empty the water container |

If the unit does not start again contact a Dantherm dealer or service agent. This also applies if the unit is running but not producing any water. This is probably due to a fault in the cooling circuit, which can only be repaired by a refrigeration engineer

Technical specifications

| | | CDT35 | CDT50 |
|-----------------------------|-------------------|--------|--------|
| Working range humidity | %RH | 40-100 | 40-100 |
| Working range temperature | °C | 3-30 | 3-30 |
| Power supply | V/Hz | 230/50 | 230/50 |
| Max current consumption | A | 2,7 | 4,1 |
| Max power consumption | W | 700 | 950 |
| Air volume | m ³ /h | 400 | 800 |
| Refrigerant | - | R407c | R407c |
| Refrigerant quantity | G | 475 | 575 |
| Capacity of water container | L | 12,5 | 12,5 |
| Sound level 1m distance | db(A) | 59 | 61 |
| Weight | kg | 52 | 60 |

| Problem | Cause | Solution |
|--|--|------------------------------------|
| The unit will not start and the green lamp does not light up | No power | Check the electrical supply system |
| | The cable is not plugged into the socket | Plug the unit in |
| | The group fuse has blown | Replace the fuse |
| The unit will not start but the green lamp is on | The hygrostat is set too high | Reduce the setting |
| | | Remove the hygrostat |