



CC3000 COOLING CONTROLLER FOR TELECOM

The Dantherm CC3000 Cooling Controller for Telecom is designed for control and monitoring of free cooling systems.

The controller has connections for up to two free cooling units, e.g. Flexibox Free Cooling 900 series, and DFC products with or without motorized dampers. Additional to controlling two free cooling units, the CC3000 can control a heater unit and two air conditioners.

CC3000 includes graphic user interface (GUI) and WEB interface, WEB GUI and SNMP for access via any standard browser. The Dantherm CC3000 optimizes cooling performance with lowest possible energy consumption.

FEATURES

Benefits

- Operational security: Configuration parameters stored in on-board, non-volatile memory
- Access via standard browser: WEB GUI for remote monitoring, configuration, data collection, change of operational mode, firmware upgrades, backup, and restore.
- Ready for remote control: Configurable digital input/outputs supporting remote monitoring/control Ethernet SNMP
- Intelligent monitoring:
- Easy configuration and logging: Built-in SD card reader
- Clear, user-friendly display: On-board 2,4 inch TFT colour display
- Flexible operation: On/off and capacity-regulated control of fans/compressor
- Wide operating supply voltage: 85-265V AC (ext. AC/DC converter)
- Quick change of temp. set point: On display
- Real-time clock/calendar: Requires battery

Connections

- Connection for analogue pressure sensor (filter monitoring)
- Connection for analogue humidity sensor (operational mode change)
- Connection and capacity control for two free cooling units
- Euro type spring loaded pluggable connectors
- Galvanically insulated alarm output (insulation voltage: 500V)
- TTL Link serial connection for TTL/USB cable for laptop

Optional features

- SD card
- Serial TTL/USB adapter (standard adapter for use with standard terminal PC software)
- Humidity sensor
- Pressure sensor

TECHNICAL DATA

Model		CC3000 Cooling Controller
Dantherm No.		091210
Specifications		
Operational temperature range, min/max	°C	-45 to 85
Dimensions, controller box (H x W x D)	mm	200 x 215 x 90
Display	in	2,4 TFT colour w. back light
Input		
DC supply voltage range		Through door / wall of cabinet
Controller location/interface		On the interface of the unit
Environmental protection & performance		
Operational temperature range	V	40 to 60
Digital 1, 2, 3		Pull up to 12V. For use with dry contact
Room/hotspot sensor	°C	-30 to 85°C NTC type NTCLE100E3272GB0
Humidity sensor		I2C
Pressure sensor		I2C
Output		
AC 1, 2		0/24V DC 200mA or dry contact
FB 1, 2		8-way multi cable
Heater 24V DC AUX	V DC	0/24V DC 200mA or dry contact
Alarm 1-10		dry contact
Damper 1, 2		0/24V DC 200mA
Communication		
Opto-insulated TTL	+, -, TX, RX	AMP – 281698-6
Ethernet	RJ 45	w. shield
Memory		
Onboard EEprom	1K non volatile	Storage of operating parameters
Mass storage device	<32 GB SD Flash	For logging and change of parameters
Certifications		
EN 60950-1		
EN 61000-6-2:2005		
EN 61000-6-3:2007		