Control Terminal 3

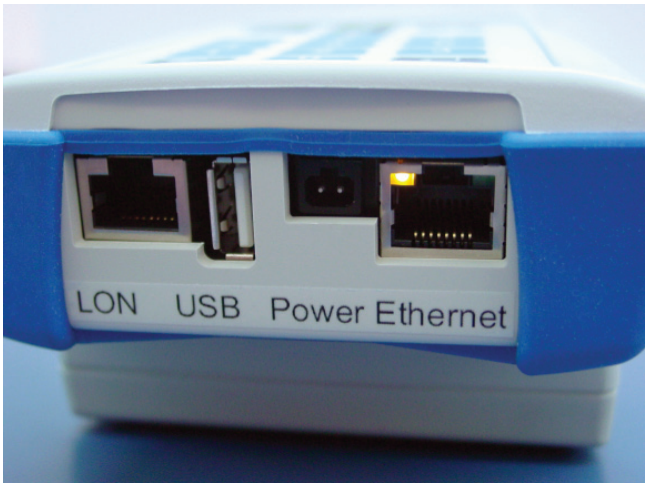
Datasheet

Item No.	Item
310867	CT3 – LON/FTT10A
310868	CT3 – LON/RS485
310739	CT3 – Exyte Bus
306939	Docking station CT3 – LON/ FTT10A/RS485
310740	Docking station CT3 – Exyte Bus

The Functionality

The Control Terminal 3 (CT3) is used for installation, controlling and monitoring of fan devices (FDs) in cleanroom facilities. It is a battery-powered, password protected handheld terminal operating either as a stand-alone device or in connection with a base station. The docking station provides a potential-free outlet to connect external valves, signal lights or similar devices. In case of an alarm an integrated alarm relay controls the external devices.

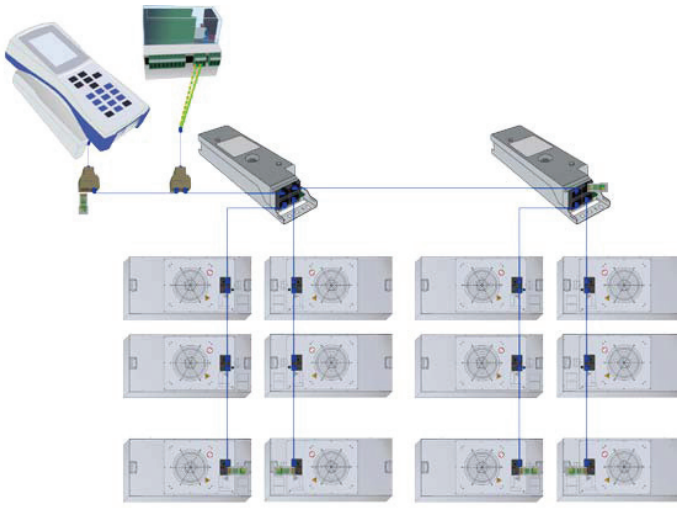
The Auto Installation is a practical way of commissioning all FDs connected to the CT3. Via DCI (Daisy Chain Installation) the CT3 thereby assigns the subnet/node number for each connected FD, so that the FDs are addressed in only one step. Yet also the manual installation of FDs is possible with the Service- Pin Installation as well as the Scan Installation wich is supported by the LON Bus versions. For individual identification via their subnet/node address an LED blinks at every FD in the plenum after activation of the wink-function. A successful installation of all FDs activates the wink-signal for one hour.
In the factory setting the ring query is activated and the CT3 periodically sends out signals to determine the status of the connected FDs. Occurred errors thusly can be traced with an inquiry or activation.



Convenient and reliable control

The CT3 controls all connected FDs, all FDs of a channel or individual FDs. It also provides a data base for entered rotational speeds to be saved in. The energy-efficient “reduced performance mode”-function reduces the FD speed at a pre-set time and accelerates again to regular speed at a later time. In the device state display the subnet/node-address, the Neuron-ID, the current FD rotational speed as well as the entries for speed 1 and speed 2 are shown. Additionally the time of occurrence and duration of the last issued error are displayed. The FDs save up to four power-shutdown occurrences that can be read out through the power-shutdown menu.
The CT3 can be remote controlled through an optionally connected IO Module with a total of 8 digital inputs and 8 digital outputs for 8 channels. Switches connected to the IO Module cause all FDs or particular FDs to be set to a predefined speed. Additionally a fault signal can be intercepted at each channel.

Voltage feed	100 – 240 V AC 47 - 63 Hz max. 400 mA		
Dimensions LWH	CT Docking station	21 x 9,8 x 3,4 cm 15 x 10 x 5,1 cm	
Weight with Docking station	0,6 kg		
Connector types	EU, Asia, Australia, UK		
Power supply socket	9 V / min. 500 mA		
Bus systems	LON/RS485 LON/FTT10A Exyte BUS		
RJ45 Socket according to EIA/TIA 568B	Pin 1	white/orange	NetA
	Pin 2	orange	NetB
	Pin 3	white/green	NetA
	Pin 4	blue	Chain In Chain out
	Pin 5	white/blue	
	Pin 6	green	NetB
	Pin 7	white/brown	Term In
	Pin 8	brown	Term Out
Relay-Output max. 24 V / 1 A	Pin 1	Normally closed contact	
	Pin 2	Root	
	Pin 3	Normally open contact	
Max. number of connectable FDs	199		
Option with IO Module	Voltage feed 24 V		
	8 Inputs and 8 Outputs for 1 Input and 1 Output per channel		



Sample topology with IO module and repeater

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