

deister – innovative products and solutions

The name deister electronic has been synonymous with innovative RFID products and solutions in the fields of security and automatic identification for more than 35 years. Our portfolio of products is used to manage keys and valuable objects, for vehicle identification, access control as well as logistics and automation technology. Developing and marketing new technologies as well as interfaces between products and systems forms the basis to create flexible solutions for customer-specific applications.

The flexible controller

The controller DCU 3 / DCU 4 is a multi-purpose solution suitable for diverse applications. The versatile hardware concept makes it possible to connect a wide variety of different extension modules via the local high-speed bus. The basic version is equipped with all components to control either a door with two readers or a lock chamber. Controlling vehicle entry and exit barriers with long range readers or counting garments in the teXtag output cabinet are also classic fields of applications for the DCU controller. For this purpose, the head assembly is connected to the Ethernet to facilitate communication with the Commander software; other local units are connected via an RS485 fieldbus.

Depending on the application there are two CPU versions available. The DCU 3 controller has a 600 MHz processor and 256 MB RAM whereas the DCU 4 controller features an 800 MHz dual core processor and 512 MB RAM. Both versions are based on the Linux operating system.

A battery buffered real-time clock ensures that events in the non-volatile memory are stored with date and time stamp.

Your benefits at a glance:

- **Easy installation**
- **Contains all necessary I/O and reader interfaces**
- **Manage up to 10,000 users**
- **16 day/time profiles**
- **Store up to 10,000 event entries**
- **Battery buffered real time clock**



Technical data

Dimensions WxHxD:	144 x 90 x 71 mm
Protection class:	IP20
Mounting:	DIN rail mounting
Operating temperature:	+5...+50°C
Relative humidity:	5...95%, non-condensing
Power requirement:	12...24 VDC / 500 mA
CPU / RAM:	
DCU 3	600 MHz / 256 MB
DCU 4	800 MHz Dual Core / 512 MB
Operating system:	Linux
Host interfaces:	Ethernet
Reader interfaces:	4x RS485 with deBUS protocol
Trigger input:	4 x digital
Switching output:	4 isolated relay outputs, 30V / 1A