



DC800 Door controller

Access Control

- **1,000 card capacity**
- **Calendar Clock function**
- **Bank-lobby function**
- **Anti-passback function**
- **Event buffering**

The DC800 is a powerful and highly secure door controller that can manage access rights for up to 1,000 cardholders. It offers a range of different reader options – card only, group code only, or card plus personal code. It can be connected to readers on both sides of the door to control both entries and exits. Further, it includes a “door control” function – that is, an alarm is activated when the door is not properly closed or is forced open.

The DC800 is designed for split-mounting. A split-mounted solution separates the control device (i.e. the DC800) – which is mounted in a secure area inside the building – from the card reader that is installed outside the locked door. This protects the control device from vandalism attempts and ensures that the only people who are able to program the DC800 (add cardholders, change settings, etc.) are those who have access to the secure area inside the building.

The DC800 provides 10 time schedules that can control when various categories of cardholders are allowed access through the door – that is, cards can be programmed to provide access only at particular times of the day, if desired. It also includes an integrated calendar clock that enables the programming of different access settings for different times of the day or week, or for holidays.

Ease of programming is one of the major advantages of the DC800. It is programmable either via its built-in keypad or – if the user prefers – from a PC with SiPass Entro Lite software installed. In system mode, the DC800 can also store up to 1,000 events – valid entries, forced-entry attempts, communication disturbances, etc. – in its offline event log. (Note that a PC with the SiPass Entro Lite software installed is required to view and search the event log.)

It is very easy to upgrade from a DC800 single-door application to a multi-door system later, if desired, by using the SiPass Entro Lite software together with a USB-RIF/2. It is also possible to upgrade directly to a SiPass Entro system, with no hardware redundancy.

Technical data

DC800	
Interface	To readers: BC-Link, Clock&Data or Wiegand (26 bit, 32 bit, 8 bit burst). To host system: RS485 system com bus
Operating voltage	10-40 VDC, 8-28 VAC
Current consumption	200 mA (24 VDC). Reader only.
Inputs	Door contact for indicating closed/open door Exit button request with delay
Outputs	Voltage-free change over contact (lock relay), max. 2 A, 30 VDC Voltage-free change over contact (extra relay) max. 2 A, 30 VDC
Time schedules	10 (using up to eight time zones)
Time zones	80
Door capacity	One
Card capacity	1,000
Code capacity	10
Operating temperature	-35 to +50 °C. 0 to 90% relative humidity
Environment	Indoor
Housing	Wall-mounted housing with lock
Colour	White
Dimensions (W x H x D)	250 x 128 x 54 mm

Details for ordering

Type	Part no	Designation	Weight
DC 800	S24246-C8200-A1	Door Controller	0.57 kg

Issued by
Siemens Building Technologies
Fire & Security Products GmbH & Co. oHG
D-76181 Karlsruhe
www.buildingtechnologies.siemens.com

© 2009 Copyright by
Siemens Building Technologies
Fire & Security Products GmbH & Co. oHG
Data and design subject to change without notice.
Supply subject to availability.

Document no. **A6V10074283**
Edition 06.2009