



DCU Access Control Module

KGuard Series

- 2 doors in the base version
- Expandable to 4 doors using plug-in board
- 32,768 cardholders
- 71,500 access control events memory
- Metal case with tamper protection
- 1 year Warranty

Description

KGuard DCU Access Control Module ensures stand-alone or networked access control for up to 2 doors in its base version and up to 4 doors when fitted with the KGuard DCE Access Control Extension.

Features

KGuard DCU has an on-board database of access rights, being able to function even without any network connectivity.

Key Functions

KGuard DCU is used for pedestrian and vehicle access control, time and attendance and visitors access control.

Interoperability

KGuard DCU connects to standard access control readers on Wiegand and Clock-and-Data interfaces, including proximity and biometric readers.

Connectivity

Remote management, configuration and monitoring can be done via the KGuard CPU on RS485 or directly over IP, if fitted with the KGuard ETH Ethernet Module.

Ease of Installation

KGuard DCU is supplied with all the accessories needed for easy installation.

Module Capacity

Readers	2
Cardholders	32,768
Time zones	64
Master time zones	64
Access zones	64
Master access zones	64
Holidays	4 tables of 32 holidays each
Access events memory	71,500

CPU Connection Ports

Access control bus ports	1 x RS485
Baud rate	19,200
Maximum configuration	up to 30 additional readers per CPU (15 2-door modules or any combination of 2-door and 4-door modules) unlimited when using IP connectivity on DCU

Computer/server interface

IP	Using optional Ethernet plug-in module
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Part Numbers

KGuard DCU	KG-DCU-004
KGuard DCU main board only	KG-DCU-004-PCB
KGuard power supply board only	KG-PWR-012-PCB
Spare plastic spacers	KG-ACC

Module I/O

Readers interface	2 Wiegand/Clock-and-Data interfaces (jumper selectable)
Access control inputs	2 door status monitoring inputs 2 request to exit (RQE) inputs
Other inputs	Battery status input Mains power monitoring input
Lock control outputs	2 dry contact lock outputs, 3A rated
Access signalling outputs	8 open collector outputs

Power

Power input	12Vdc
Power consumption	70 mA in stand by 130 mA with both outputs ON

Power supply module

Mains voltage	230Vac
Output voltage	14.5 Vdc
Available output current	2A
Battery charging current	0.6A
Battery	12V / 7Ah (not included)

Environmental

Environmental class	Class II - Indoor - General according to EN50131
Operating temperature	0°C ÷ +40°C
Storage temperature	0°C ÷ +40°C
Relative humidity	up to 75% non-condensing

General

Dimensions	298 x 285 x 83 mm
Weight	1.5Kg
Warranty	1 year
Certifications	CE

The KGuard DCU can be expanded to 4 readers using the KGuard DCE plug-in module.