

8 CD 2.0 Pin "Glass"



Product features and benefits

- Secure access control reader with pin code identification
- Highly configurable, shifts from technology to another easily by a configuration card
- Extremely low power consumption – up to 60 % more energy-efficient
- Eco-sensitive construction
- Distinguished glass surface

Not only does Access 8 CD 2.0 support MIFARE® DESFire and MIFARE Plus, the highest secure identification technologies on the market, but it also possesses unprecedented configurability, reliability, convenience and flexibility combined with the peerless energy cost savings you expect from Idesco's eco20 products – using as little as 60 % of the energy of competitors' RFID readers or merely 5 % that is used by magstripe readers. Pin code is a simple, reliable way to enhance your identification system's security.

This peerless migration reader shifts from one technology (e.g. MIFARE® Classic) to another easily. No more removing readers from walls, or even disconnecting them from the system. Augmenting this powerful migration feature, all other configurable parameters, from security keys down to data length changes, can be changed just as quickly with configuration cards created by Idesco's user-friendly DESCoder application – the same software you use to encode (and customize) transponders for your system's users.

Even if you're not ready to deploy DESFire at your site immediately Access 8 CD 2.0 readers still remain the most cost-effective choice simply by dint of how rapidly and conveniently you can upgrade to DESFire at any point in your site's future. Perhaps you need to maintain your current population of MIFARE® cards but also anticipate a migration to DESFire later? Access 8 CD 2.0 readers not only make it possible but profoundly cost-effective. Glass surface gives this reader a distinguished look to suit in exclusive installation sites.

Technical specifications

Operating Frequency	13,56 Mhz
Voltage	+10 +30 VDC
Current Consumption	20 mA @ 24 VDC, max 60 mA
RFID chip support	MIFARE® DESFire EV1: UID + Application files , MIFARE® Classic: UID + Sectors, MIFARE® Ultralight UID + Pages, MIFARE® Plus UID security levels 1 and 3, MIFARE® SmartMX (MIFARE® Classic emulation mode), NFC (UID), Mifare Classic 7 Byte UID + sectors. Mifare DESFire EV2: UID+application files.
Keypad	2 x 6 Capacitive
Dimensions of housing (hwxwd)	141 x 43 x 21 mm
Material of housing	Plastic, glass front cover
Colour	Black
Customized versions	Yes, with customized painting
Protection class	IP67, with the pigtail cable option IP54, with the connector option
I/O's	2 FET output (for tamper control and general), max 500 mA 1 general purpose input
Interfaces	RS-232, Wiegand RS-485: Idesco RS-485, Idesco RS-485 with AES, OSDP, OSDP v2, USB, USB Hi Clock & data: 10 BCD format for Mifare Classic sectors and for Mifare Desfire application
EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	AES or triple DES
Cable	LIYY 3m, delivered only with pigtail reader
LED	Two leds, green and red (Led modes can also be configured)
LED control	By wire
Buzzer	Yes (Buzzer modes can also be configured)
Buzzer control	By wire
Optical Tamper	Yes, configurable
Pin pad backlights	Yes, options blue, red and green
Alive message	Options for 4- bit, 6- bit, 8- bit and 38- bit message
Re-read delay	Adjustable
Configuration	Only one DESfire EV 1 conf card required Configure only after reset option
Value file support	Reader can be set to credit / debit value from value file cards
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Eco 20 is a new generation of Idesco products. Eco 20 stands for less power consumption, improved connectivity with other products and smaller carbon footprint through sustainable manufacturing materials and methods. www.idesco.fi/eco20



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