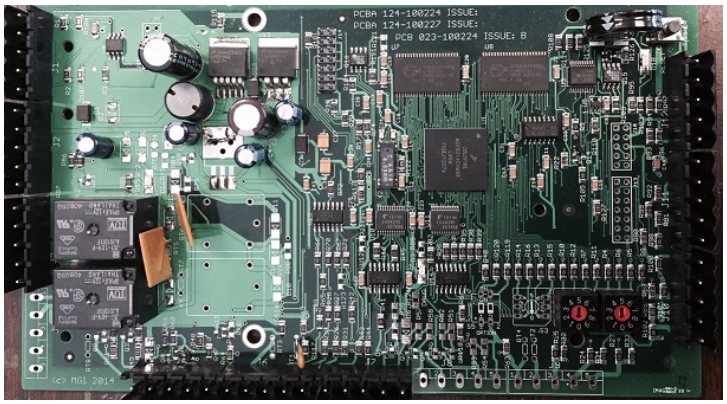
Enhanced Door Control Device (EDCD)



Application

- The EDCD (Enhanced Door Control Device) offers a larger cardholder database and significantly faster processing and communications speed than the standard DCD. It controls a single access point accepts connections to most reader technologies.
- Stores data for up to 60,000 cards. Because the cardholder access levels are stored here, in the event of a computer or communications failure it will provide uninterrupted access control and log up to 2000 transactions into memory.

Features

- Supports Wiegand Card Reader protocols, configurable from 0-256, Magstripe formats of ABA/ISO Track 2 with configurable data bits; Clock and Data, and Marlok.
- Communications between EDCDs is via RS-485 using various types of supervised wiring methods; Daisy-Chaining, T-Tapping, Home Running, and High Security Loop Back.
- EDCD's communicate to the Millennium Software through Site Control Units (SCU or ESCU). Each SCU/ESCU can support up to 99 EDCDs, depending on system configuration needs.

Specifications

Card Data Storage
- Each EDCD stores data for up to 60,000 cards

Transaction History Buffer
- 2,000 transaction history provides retention of card activity if communications with the ESCU is lost

Alarm Event History Buffer
- 100 software selectable alarm events (alarms, com fail, etc.) are stored if communications with the ESCU is lost.

EDCD Device Communications
- A twisted pair, multi-drop, RS-485 polling scheme is used to communicate between the EDCD, the ESCU, and other Millennium Devices.

Programmable Relays
- Each EDCD includes 2 programmable Single pole, Form C relays that are rated for 10 amps @ 24 VDC. These are typically used for door locking devices

Alarm Monitoring
- The EDCD has the capability to monitor up to 7 independent alarm inputs. 4 are supervised, and the other 3 are normally closed circuits.

Circuit Protection
- Input power is protected from reverse polarity, over voltage, and transient surges.

Operating Temperature
- 14° to 104°F (-10° to 40°C) less than 90% non-condensing humidity.

Power Requirements
- 9-14 VDC, from our standard Power Supply. Current consumption is 50mA nominal, and 150 mA maximum.

Cover Tamper
- On-board integrated tamper switch.

Approvals and Listing
- UL 294 pending

Dimensions
- 4.24" x 7.35" @ < 1lb, 10.4 x 18.7cm @ < 0.4Kg

Model #	Picture	Description
149-101966		EDCD Door Control Device
060-101025		Standard Back Box

Model #	Picture	Description
041-100992		Back Box with Lock and cover