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

**Table:**

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<thead>
<tr>
<th>Model #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>149-101966</td>
<td>EDCD Door Control Device</td>
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<tr>
<td>060-101025</td>
<td>Standard Back Box</td>
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<thead>
<tr>
<th>Model #</th>
<th>Description</th>
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<tbody>
<tr>
<td>041-100992</td>
<td>Back Box with Lock and cover</td>
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