



# EL370

## Access Control System

### The Controller that is Small in Size but Big in features

The EL370 Single-Door Access Controller combines access controller, card reader and keypad, designed to be extremely reliable in operation. It can function in a stand-alone mode, using the PIN keypad to program or up to 16 units can be networked together and controlled from PC using EsowIN X3 ELID Access Management Software.

### FEATURES

#### Large User & Transaction Database

Up to 2000 users' IDs can be stored in the EL370, and the most recent 1,000 transactions are logged. The information is stored in non-volatile memory, ensuring the database to remain intact even when the power is removed.

#### User Friendly Operation

EL370 is equipped with the LCD display. The display gives clear status indication of the controller's condition during operation. For example, when a card's entry is denied, the display indicates the reason of the denial.

Programming of the EL370 is intuitive and friendly. All commands can be operated using the 6 function buttons and 10 numeric keys. Commands are clearly displayed as menu on the LCD keypad and data entered in through the keypad are echoed.

#### Time Zone

EL370 has 24 sets of timers and 10 sets of time zones, limiting access and users to different times of the day depending on their access rights.

#### Built-in Reader

EL370 has a built-in reader. There are three models to choose from depending on the type of card reader used.

- EL370E - EM compatible proximity card reader
- EL370H - HID proximity card reader
- EL370M - Mifare contactless smart card reader

#### High Security

A major user concern of stand-alone controller is that once the controller is forcibly opened, the door that the controller protects is compromised. For EL370, option is available to install a remote relay module EZ6 to which critical signals are routed. EZ6 can be located in a secure area. Communication signal between EL370 and EZ6 are encrypted to prevent tamper.

#### Advanced Design

EL370 uses an 8-bit microcontroller, with firmware stored in the Flash Memory. The firmware can be updated in-circuit, through the serial download from the PC. This makes firmware upgrading hassle free.

#### Reliable Operation

EL370 is equipped with a real time clock, backed up by a lithium battery. Time will continue to run even during power failure. Essential equipment settings, card database and transaction database are stored in EEPROM.

## TECHNICAL SPECIFICATIONS

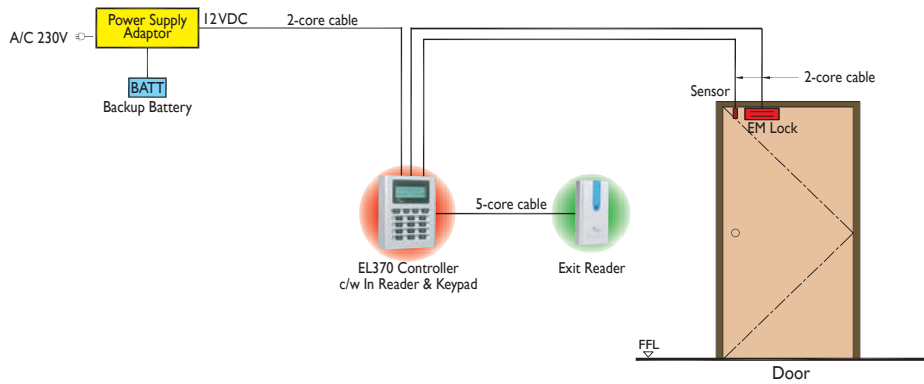
MCU	8-bit CPU running at 40 MHz
Memory	2KB RAM, 32KB Flash, 64KB EEPROM
Clock	Real Time Clock with Lithium back-up
Communication Interface	RS485
Output	2 (Door Lock, General Purpose Output)
Input	3 (Push Button, Door Sensor, Sensor Input)
Built-in Reader	Yes
Power Supply	12 VDC
Current Consumption	0.5A
Operating Temperature (°C)	0-50

## FEATURES

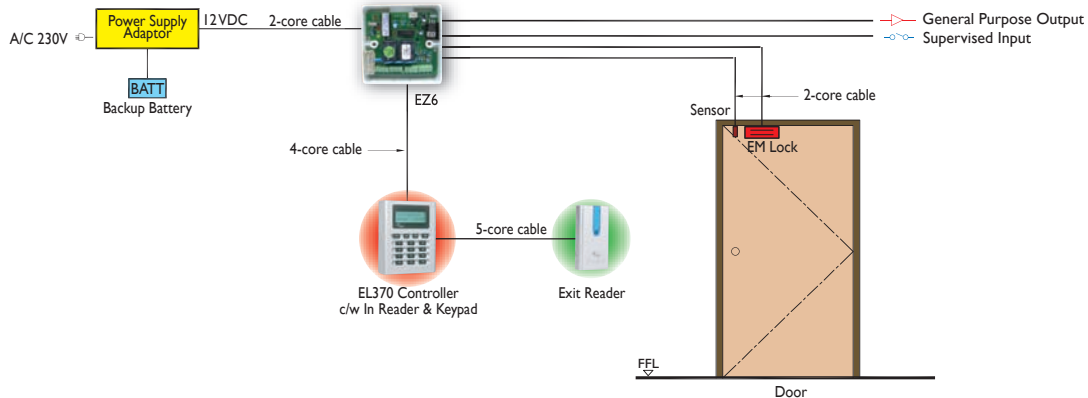
Card Database	2,000
Transaction Database	1,000
Time Zone	10
Timer	24
Holiday	20
Adjustable Lock Release Time	Yes
Permanent Lock Release	Yes
Automatic Pin Disable Time Zone	Yes
Automatic Lock Release Time Zone	Yes
Card Format	Wiegand 26-bit, Free Wiegand, proprietary
Operation Mode	3 (Card, Card + PIN, PIN)
Baud Rate	2400 to 9600
Tamper Switch	Built-in

## SYSTEM CONFIGURATION

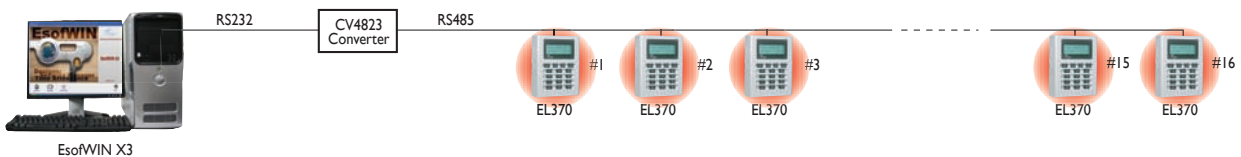
### EL370 Stand-alone Configuration



### EL370 Secure-mode Stand-alone Configuration



### EL370 System Configuration



maximum up to 16 units of EL370 per bus



For more information: check out the website at: [www.elid.com](http://www.elid.com), or contact our dealers. ELID has a policy of continuous research and development, and reserves the right to change specifications without notice.

[www.elid.com](http://www.elid.com)