EL374 Stand-alone Configuration

2-core cable
2-core cable
5-core cable

12VDC Power Supply

2-core cable

Back-up Battery

Sensor   EM Lock

EL374 (Entry)

Exit

FFL

Door
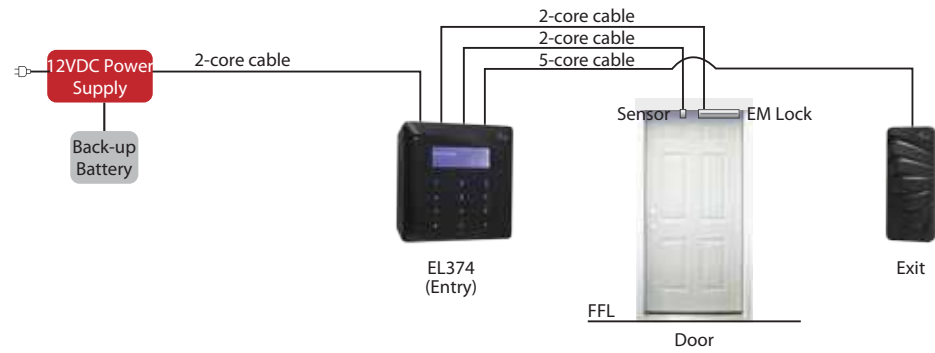
EL374 Secure-mode Configuration

12VDC Power Supply

2-core cable

Back-up Battery

General Purpose Output
Supervised Input

EL5Z

2-core cable
2-core cable
5-core cable

Sensor   EM Lock

EL374 (Entry)

Exit

FFL

Door
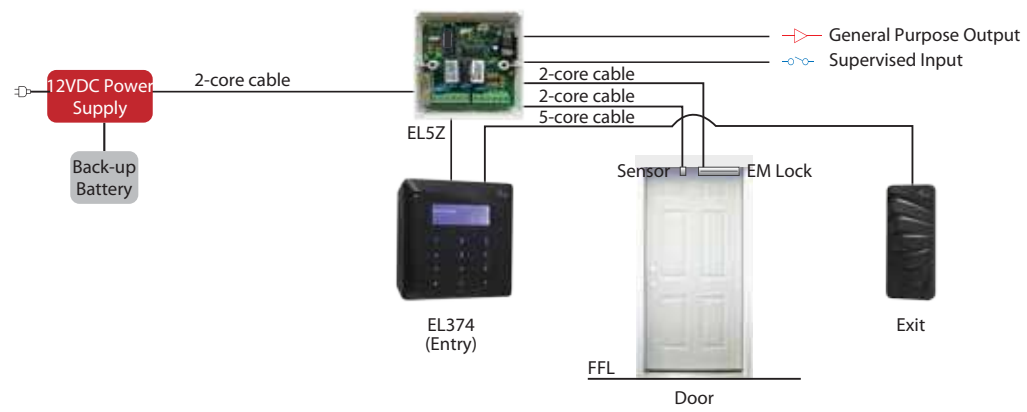
EL374 System Configuration

USB   RS485   Up to 16 units of EL374 per bus

ELID Access Management Software

Communicator

EL374 #1   EL374 #2   EL374 #3   EL374 #15   EL374 #16

Network Switch

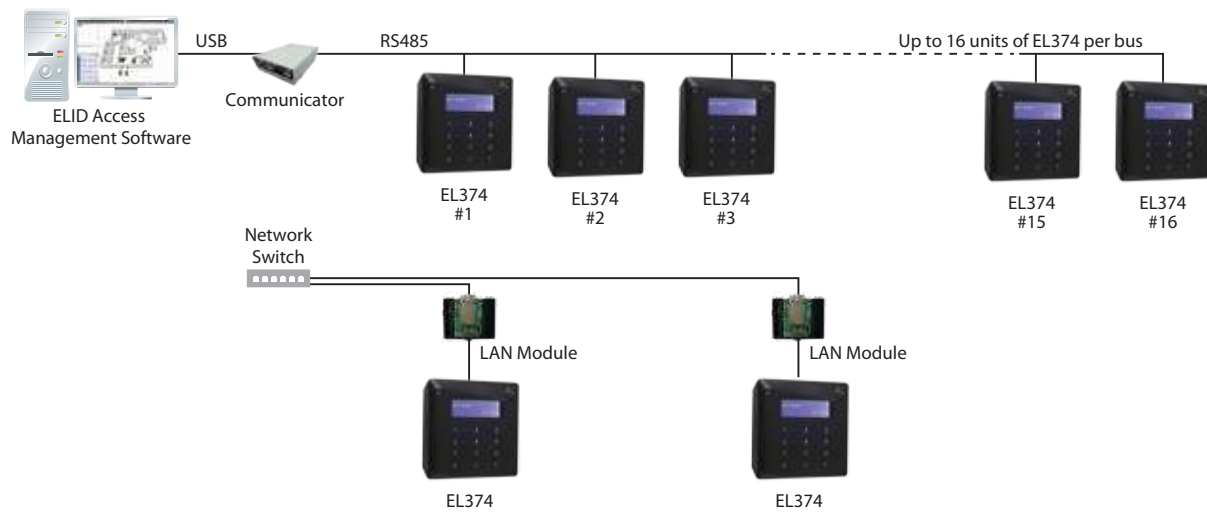LAN Module   LAN Module

EL374   EL374

Trusted by Professionals Since 1989

Welcome   11 15

1 2 3
4 5 6
7 8 9
* 0 #

EL374

Compact Access Controller

Small in Size but Big in features

we make your world secure

EL374 Compact Access Controller

The EL374 Compact Access Controller combines card reader, touch-sense keypad and intelligent processor in a single package which can be directly mounted on the wall adjacent to the door that it protects.

It is designed to be intuitive to operate and can function in a stand-alone mode (without the need of a PC to program) or multiple units can be networked together and controlled remotely from PC using standard ELID Access Management Software such as WinPro.

Advanced Design
The EL374's firmware is stored in Flash Memory. The firmware can be updated through serial download from a PC. This makes firmware upgrading intuitive and hassle free.

Reliable Operation
EL374 is equipped with a real time clock, backed up by a lithium battery. Time will continue to run even during a power failure. Essential equipment settings, card databases and transaction databases are backed up in flash.

Connectivity
RS-485 or optional LAN (requires an additional LAN module).
Compatible with standard Elid Access Management software systems like EastWin, E.Win and WinPro. The number of units that can be networked together depends on the PC software used.

FEATURES

User & Transaction Database
Up to 3000 user IDs can be stored in the EL374, and the most recent 2,000 transactions are logged. The information is stored in non-volatile memory, ensuring the database to remain intact even when power is interrupted.

User Friendly Operation
EL374 is equipped with a graphical LCD display which provides a clear status indication of the controller's condition during operation. For example, when a card's entry is barred, the display indicates the reason of the denial, such as incorrect time zone, or card not registered. Programming the EL374 is intuitive and friendly. All commands can be operated using touch-sense keys. Commands are clearly displayed on the GLCD and data entered through the keypad are echoed.

Time Zone
EL374 has 24 sets of timers and 10 sets of time zones, limiting access to different times of the day depending on the access rights of each user.

Built-in Reader
EL374 comes with a built-in reader. There are two models to choose from depending on the type of card reader used.
• EL370E - EM compatible proximity card reader
• EL370M – Mifare contactless smart card reader
There is also support for connecting an exit reader if required.

High Security
A major security concern of Compact Access controllers is that if the unit were installed in a non-secure area, it could be dismantled and the wiring exposed, thus compromising security. For the EL374, the option is available to install a remote relay module, EL5Z in a secure area. Critical signals are routed to EL5Z and so security is not compromised even if the controller is tampered with.

Technical Specifications

- MCU: 8-bit CPU running at 40 MHz
- Memory: 2KB RAM, 32KB Flash, 64KB EEPROM
- Clock: Real Time Clock with Lithium battery back-up
- Communication Interface: RS485 or LAN (Optional, requires additional LAN module)
- Output: 2 (Door Lock, General Purpose Output)
- Input: 3 (Push Button, Door Sensor, Sensor Input)
- Built-in Reader: EM or Mifare
- Power Supply: 12 VDC
- Current Consumption: 0.5A
- Operating Temperature (°C): 0-50
- Card Database: 3,000
- Transaction Database: 2,000
- Time Zones: 10
- Timers: 24
- Holidays: 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

Dimension

Front View   Side View
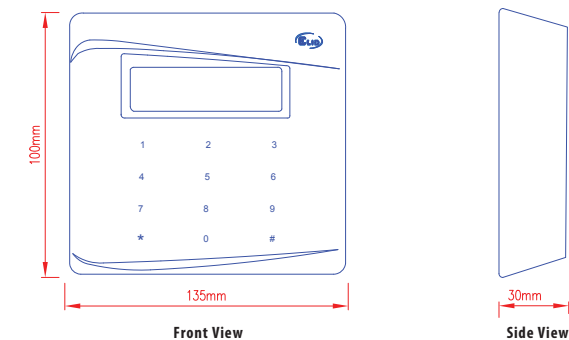
ORDERING INFORMATION

Access Controller
▪ EL0374E01 : EL374E/B Single-Door Controller (EM format)
▪ EL0374M01: EL374M/B Single-Door Controller (Mifare format)

Accessories
▪ EA0079004D : EA79TD LAN Module
▪ EP0042003 : EP42S Power Supply Unit
▪ CS1056DX : Metal Casing
▪ EDZ005M02D : EZ5D Remote Relay

Exit Reader
▪ ER0723W01 : ER723W EM Proximity Reader
▪ ER0728W01 : ER728W Mifare Contactless Card Reader

Communicator
▪ EL070S001 : EL70S Communicator
▪ EL070Q001 : EL70Q Communicator

ELID Access Manager
▪ E.WIN Access Management Software
▪ WinPro 2 Access Management Software