



# CS NETWORK CONTROLLER

- Fully distributed controller
- Forms the heart of the CS system
- Modular for high reliability
- Flexible and versatile
- Up to 4 readers per controller
- Up to 128 controllers per site
- Up to 50 sites on one system



## **The 'black box' that does it all**

The CS Technologies access control system allows powerful management of access to doors, elevators, alarm areas and also provides cost-effective energy management. The system consists of a network of intelligent 'black boxes' each of which controls a group of doors, an elevator or alarm processor. Each controller is fully distributed, and contains all programming necessary for seamless continuous operation regardless of the rest of the system, including user credentials, access levels, timezones, public holidays and other settings. This makes the system very reliable.

The key to the system is this 'black box' controller. Because the controller is fully distributed, even the most complex access control or building management system can be broken down into small chunks to ensure that a dependable and cost-effective solution can be provided.

## **Controller features**

The key to the reliability and power of the CS System is the unique feature-set of the controller itself. Each controller contains all of the programming necessary to continue operation completely independent of the rest of the system meaning that in the event of failure of a PC, communication link or other part of the system, users can still gain access and a complex site can be broken up into segments each of which is very reliable.

**Microprocessor** – a reliable microprocessor module with integrated real-time clock, battery-backed RAM and ROM

**AC or DC power input** – the controller can operate from either 16VAC or 12VDC input. The same power supply can be used for both the controller and electric strikes.

**Communication port** – it can be configured to communicate in either RS232 or RS485 format, and has an in-built converter for either format.

**Individually addressable** – each controller has its own address set by on-board DIP switches

**Easily expandable** – an expansion port allows the addition of relay and input expansion boards

**Relay outputs** – four heavy-duty relay outputs with 'form-C' contacts are provided on-board

**Buffered inputs** – digital inputs on the board are buffered and diode-protected for continued reliability

**Flexible configuration** – many different firmware types are available to allow the controller to have a wide variety of functionality

**Flash upgrade** – the controller personality can be changed by downloading new firmware. This can be even done on an established network of controllers from the central PC.

## **Wide variety of firmware functionality**

Depending on the firmware loaded into the microprocessor on the controller it can be configured for:

- reader types – the system supports Silicon Key, Smartcard, Wiegand, Mag-stripe, Presco, Proximity and many other reader formats
- controller function – the controller will operate up to 4 doors, a lift with up to 84 floors (or a high-level interface), alarm areas, energy management, people-counters, personnel logging, time and attendance, etc etc.

The CS Technologies controller is the heart of a powerful and versatile access control system which can provide dependable access control for any type of facility.



Defining the Future of Access Control

