



CS iSMART - standalone

General

The CS Technologies iSmart 1 door system connects to a CS Smartcard reader. It allows upto 83 smartcards to be used as access control credentials.

Smartcards supported

Currently the iSmart controller supports two different smartcard interfaces.

Proton – the controller uses the e-purse ID as the unique identifier for each card

Infiner (Absec) – the controller uses the manufacturer and card ID as the unique identifier for each card.

Multiple functions in a single controller

The controller is configured using a simple keypad which plugs into the board for configuration. The controller can be set up to perform the following functions:

Standalone access control

In this mode the controller can store up to 83 card numbers within it. Each card can be configured as a 'pulse'- or 'toggle' card. Cards can be loaded from the keypad or by presenting them at the reader, and cards can be deleted using the keypad too. The standalone controller also offers an exit request input and two relay outputs; one for the door strike and the other for an alarm shunt. Both relay trigger times can be individually configured.

Clock and data interface

In this mode the controller converts the appropriate card information to clock and data format. This allows the smartcards to be used with just about any access control or security system available.

RS232 interface

In this mode the controller sends the card number information out in RS232 format for interfacing to a PC, point of sale device etc.

Flexible programming

The system is programmed using a convenient low-cost keypad. All programming functions are password protected for security.

The system is 100% Australian designed and made.

The ideal solution

The iSmart controller is perfect for any application where existing smartcards are required to be used as access control credentials. It provides a solution for small standalone door systems, or interfaced to CS Technologies access control and building management controllers can provide a comprehensive smartcard-based access control and energy management system.



Specifications

Power supply:	12VDC
Current Consumption:	150mA maximum (not including door strik
Temperature range:	0°C to 70°C
Humidity range:	0 to 95% relative noncondensing
Dimensions:	Box: 86x66x30mm
	Board: 80x60x28mm
Shipping weight:	300g
Housing:	High impact ABS plastic box with bulkhead mounting lugs
Reader interfaces:	One CS Smartcard reader interface Presco keypad interface for programming
Smartcard formats	Infiner (card ID) Proton (purse ID)
Exit requests:	One normally open input
Door strike output	One 'form-c' relay rated at 10A/125VAC – time 1-255s
Alarm shut output	One 'form-c' relay rated at 10A/125VAC – timer 1-255s
Access levels:	Cards can be programmed to pulse or tog door.
Controller modes	Standalone self-contained reader Magstripe (clock and data) output RS232 output
Cabling	Smartcard reader to controller – shielded cable - max 5m Door strike to controller – figure-8 cable Exit request to controller – figure-8 cable



Defining the Future of Access Control

