

## FoxSec door module

FoxSec® products provide a complete and fully featured hardware and software infrastructure for access control and intruder alarm systems.

The FS1001 don't have on-board memory, allowing program updates to be downloaded via the RS485 network. FS1001 has two reader inputs, one lock relay, one additional relay, opening button and door status input. FS1001 is easy to install and it is maintenance free.

The FS1001 connects to FS9010 main panel directly through RS485 dataline. RS485 dataline can be up to 1500m (4900 feet). Each door module uses an address and it is changable by switch on the pcb. The access door module has developed in a way that it is very durable and has many different and flexible functions.

## FS1001 Features



Managed by FoxSec WEB software



Real time monitoring with FoxSec monitoring software



Possibility to connect up to 2 card readers (26 or 34bit wiegand or clock-and-data magnetic card)



Alarm of opening the door by a key / Alarm of a door being open too long



14 different holidays per controller / 20 schedules per controller

## Features

Metal enclosure protects components from damage and tampering the device. Mount to any wall surface.

The unit should be installed indoors, inside a secure area, such as in IT or telecommunications room, utility closet or on a wall above suspended ceiling.

Screw terminal connectors for readers, relays, inputs

One RS-485 connection to dataline

2 Wiegand input for readers

1 tamper input

1 open button input

1 door magnetic contact input for status

DC Power input

On-board spring tamper

Address is selectable by switch and jumper on the PCB

Power consumption 100mA

The user should supply 12 VDC to connected interfaces. Separate supervised DC supplies with battery back-up are recommended

16-bit CPU Microcontroller, 16 MHz

32 k Flash memory inside microcontroller

## Specifications

### Dimensions

90W x 53H mm

(3.55" x 2.09")

### Weight

30g (1.05 oz)

### Casing Material

Metal (250W x 290H x 80D mm)

Polycarbonite (230 W x 155 H x 45 mm)

### Power Supply Requirements

100-240VAC 50/60Hz power transformer

Main fuse 500mA

Power output supply 13V

Power supply max operating current 250mA

Power supply max output current 1.7A Electronic fuse

Controller current 100mA @ 12VDC

PWM (Pulse-with modulation) regulator on-board

Recommended: Supervised switching power supply

with battery backup input surge protection and AC Fail

and battery low contact outputs.

Separate supervised DC supply with battery back-up recommended if power supply max consumption exceeds

### Operating Environment

Indoors or customer-supplied NEMA-4 Enclosure

### Temperature

0° to 40° C (32° to 104° F)

### Humidity

0% to 80% relative, non condensing

### Materials

RoHS compliant 2002/95/EC

### Communication Ports

1x RS-485- two wire

### Cable Distance

RS-485- 1500m (4900 feet), using shielded twisted pair cable (Cat5e, Cat6e)

Input Circuits- 150m (500 feet), using 4 x 0.22 cable

Output Circuits- 150m (500 feet)

Card reader- 50m (165 feet) 2 x 0.5+4 x 0.22+S

Minimum wire gauge depends on cable length and current requirements