

The AccessSmart GE312 is an access controller that is capable of controlling up to two doors with single readers, or one door with in and out readers.

The GE312 is configured and managed by AccessSmartTime software but can also operate stand-alone if network connectivity is lost.

The GE312 can be used in the same system as the GE313 and GE314 products – this means that biometric access can be used for high security areas and time and attendance points whilst allowing low cost card only access to be used on the same system for lower security areas and internal doors.

The GE312 is supplied as a PCB only allowing the installer to mount the product in a locally sourced cabinet of your choice. An optional case is available.

The GE312 has five input ports, two Form-C relay outputs, two TTL outputs, RS-232 and RS-485 communication ports, and optional TCP/IP communication port to meet various customer requirements.

The five input ports may be connected to an exit button, motion detector, door contact sensor, and existing alarm system. The two door relays control door locks, and TTL outputs indicate alarm conditions.

This user-friendly device allows you to register up to 10,000 card-holders and can store up to 20,000 event transactions. All setup menus are programmed via Windows-based AccessSmart software. All events can be uploaded and saved to the AccessSmart computer.

The AccessSmart software can produce reports in Microsoft Excel, HTML, and text file formats for the and attendance purposes.

Keypads are required for PIN, password, and duress functionality. Biometric reader is required for fingerprint functionality.

## Features

- Easy to install
- Single reader on two doors or two readers on single door configuration
- Microsoft Windows based management software
- Supports up to 10,000 users
- Support for 26 or 34 Bit Wiegand
- Fully networkable over RS-485/232 or optional TCP/IP interface
- Dedicated inputs and outputs per door
- Time and attendance reporting

## AccessSmart 312

### 2 Door / 2 Reader

### Intelligent Door Controller





# Specifications

India  
tel 804-131-4606  
fax 802-852-8329

Singapore  
tel 65-6391-9301  
fax 65-6391-9306

China  
tel 86-21-5899-6300  
fax 86-21-5899-6308

Australia  
tel 61-3-9239-1200  
fax 61-3-9239-1299

## General

- CPU 16-bit dual microprocessors
- Program memory: 2 Mb ROM
- Data memory: 4 Mb flash memory
- Card holders - 10,000 users
- Event Buffer - 20,000 events

## Operating Mode

- One-door with anti-passback in and out readers or two-door mode
- Two reader operating modes are supported:
  - Proximity card (or PIN) only, at all times with PIN reader
  - Proximity card (or PIN) plus fingerprint (or password) during specified times with optional Biometric reader
- Two external reader ports
- Reader data format:
  - Standard IDC 26-bit or 34-bit Wiegand format, selectable
  - 4 - or 8-bit burst format for keypads
- Communication port:
  - RS-232/RS-485 (max. 32 channels), address selectable
  - 9600 (default), 19200, 38400, 57600 bps communication speed

## Input/Output

- 5 input ports, DC 12 V, 20 mA max.
- 2 relay outputs, DC 12 V to 24 V, FORM-C relay, 2 A max.
- 2 TTL outputs, DC 5 V, 20 mA max.

## Operating Status

- Reset:
  - Power on reset and watch-dog timer reset
  - Automatic reset by detecting any interruption of the processor.
- 3 LED (red, green, yellow) indicators, beeper

## Physical

- Weight 0.42 lbs (190 g)
- Dimensions (W x H x D) 5.39 x 5.39 x 0.71 in. (137 x 137 x 18 mm)
- Power 12V DC  $\pm 10\%$ , 400 mA max.

## Environmental

- Operating environment 32 to 149°F (0 to 65°C), 0 to 90% RH noncondensing
- Storage environment -40 to 158°F (-40 to 70°C), 0 to 90% RH noncondensing

## Optional

- TCP/IP module (internal): IIM7100A internal mounting module for TCP/IP communication
- Readers:
  - GE716 series
  - Biometric GE717 series

Both available in PSK and Mifare technology

