SDM

Features

- 12 VDC Operation
- 2-wire RS-485 communication
- Magnetic/Wiegand/Proximity/Keypad
- Two programmable inputs
- Two programmable relay outputs
- UL Recognized
- CE Marked

Benefits

- Power Readers From Controller
- Cost Effective Installation
- Supports All Popular Reader Technologies
- Supports Additional Input Devices such as PIRs
- Proven hardware meeting global standards
- Installed in US Government facilities

Scaleable Architecture

Connected to the SCP Series System Processor Module (SPM), the Single Door Module (SDM) provides support for one card reader, two general purpose input monitor points and two control.

The SDM's reader port supports magnetic, Wiegand, and proximity readers. Keypads and integrated keypad readers are also supported.

Hardware interface and card format settings are loaded through software commands.

The inputs and the relays may be assigned to door related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised, and non-supervised circuits. End–of–line (EOL) resistance values are configurable. The relays can be configured for fail safe or fail secure operation.

The SDM passes access request and status change information to the SPM for processing. When not connected to an SPM, the SDM is capable of locally processing access requests based on facility code verification. Up to eight facility codes may be active in each SDM.

The Singe Door Module (SDM) connects to the System Processor Module (SPM) and provides all necessary inputs and outputs to interface a card reader and associated door hardware. The SDM is the ideal controller for systems from one to many doors with little or no need for additional inputs or outputs.

TECHNICAL SPECIFICATIONS

ELECTRICAL:	Primary Power: 12 VDC +/- 15%, 250 mA
COMMUNICATION:	RS-485, 2 wire/4 wire (twisted pair with shield, Belden 9841/9842) up to 4,000'
READER PORTS:	1 Reader port
POWER:	Current limited, + 12 VDC, 40 mA load, nominal
CARD:	Two wires: Clock/Data or Data-I/Data-0
KEYPAD:	Multiplexed with card data, 4-bit or 8-bit burst
LED:	Two-wire, or one-wire bi-color LED support
BUZZER:	Only with 'one-wire' LED
INPUTS:	2 General purpose: programmable circuit type
	1 Dedicated: tamper
OUTPUTS:	Relay 1: Form-C, 5 Amp 30 VDC
	Relay 2: Form-C, 1 Amp 30 VDC
MECHANICAL:	Dimensions: 4.25" W x 2.75.0" L x 1.4" H
	(108mm W x 70mm L x 36mm H)
ENVIRONMENTAL:	Temperature: 0-70° C operational, -55-85° C storage
	Humidity: 0 to 95% RHNC

COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems: SPM-C, SPM-S, SPM-E, SPM-EP 1502, SPM-EP 2500

RELATED COMPONENTS:

DDM, ICM, OCM

The SDM is an excellent choice when you have several access control doors and do not require additional inputs and outputs.