IP Door Module

Compact. Simple. Convenient.

NSC-100 Product Features

Utilizes a standard 10/100 Ethernet connection to communicate with SSP™ IP Series Controllers.

Powered by PoE (IEEE Compliant 802.af) or optional external power supply.

PoE power output for supplying power to peripheral devices such as readers and locks.

Support for iClass, proximity, magnetic stripe, Wiegand, RS-485 and keypad readers.

Two reader ports available for in/out doors.

4 programmable inputs support normally open, normally closed, supervised and non-supervised circuits.

2 relay outputs can be set for fail safe or fail secure operation.

Uses strong encryption between NSC-100 and SSP™ Controller.

MET Certified for UL-294 and ULC S319-05 Compliance

Plenum-rated enclosure meets UL94-5VA flammability standard.

NSC-100

IP-Based Door Module

Overview

The **NSC-100**, network sub-controller, provides the interface between local devices at the door and the SSP™ IP Series Controllers on the local area network. Communication is accomplished via TCP/IP in the standard network environment.

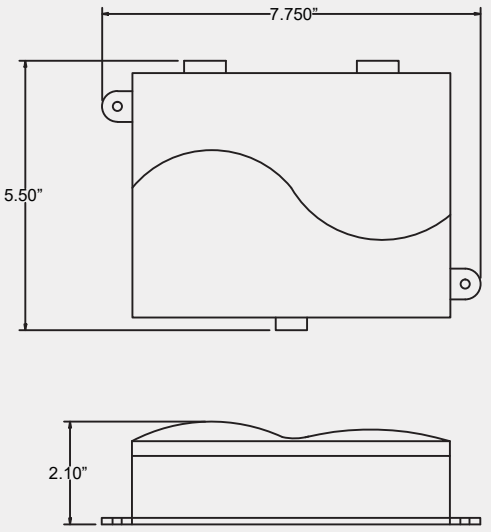
The **NSC-100** connects directly to the network with a standard RJ45 connection and supports two readers (paired as single door), four supervised inputs, and two output relays. The **NSC-100** comes complete with pre-wired connection leads (primary and auxiliary) for quick and easy termination of peripheral devices such as card readers, motion detectors, etc. The **NSC-100** also supports full Power over Ethernet (PoE) to supply power to electric locks, motion detectors, and other peripheral door devices.

The **NSC-100** has built in support for most available reader technologies including but not limited to iClass, Mifare, Proximity, Wiegand, and magnetic stripe. In addition, the primary reader port supports RS-485 communication protocol for bi-directional and read/write capability.

OPEN OPTIONS
ACCESS TECHNOLOGY

NSC-100 - IP Door Module

NSC-100 Specification



NSC-100 Dimensions

MET Certified for UL-294 & ULC S319-05 compliance and plenum-rated enclosure meets UL94-5VA flammability standard.

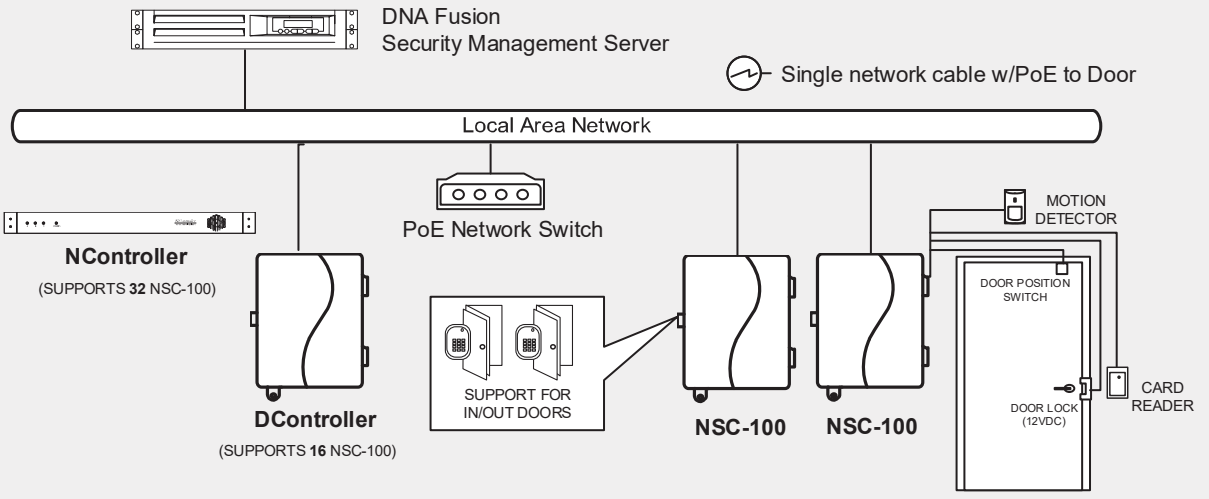
Power Input: PoE, 12.95W, Class 3, compliant to IEEE 802.3af -OR- 12 VDC ±10%, 900mA max Power Supply.
Power Output: 12VDC @ 700mA including reader and Aux. output.
Outputs: 2 Form C contacts 5A @ 28VDC.
Inputs: 4 programmable inputs, EOL 1k/1k ohm.
Reader Power: 12VDC ±10%, 150mA Max.
Reader Data: TTL compatible inputs or 2-wire RS-485*
Communication: 10Base-T/100Base-TX

Dimension: 7.75"L (197mm) x 5.50"W (140mm) x 2.1"H (53mm)
Weight: 12.8 oz. (360g) (without cables)
Environment:
Temperature: -10˚C to +55˚C, storage; 0˚C to +40˚C, operating;
Humidity: 10% to 95% RHNC

Cable Requirements:
Power: (External, Non-PoE)18AWG, 1 twisted pair
Alarm Inputs: 1 twisted pair per input, 30-ohm max.
Reader data (TTL): 22AWG, 6 conductors, 500-foot (150 m) max.
Reader data (RS-485): 24AWG, 120-ohm impedance, twisted pair with shield, 4000ft (1,219m) max.

* 485 Available on primary reader port only

Application



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