



NexLine™ Plus

MSM Replacement & Coax Converter

NexLine™ Plus eases analog-to-digital conversion of electronic access control systems by replacing Multiple Switch Monitors (MSMs) and providing a junction through which both data and power can be reliably transmitted over existing coaxial cable. NexLine™ Plus provides the same functionality as the MSM it replaces by monitoring point signals between four monitor inputs and a Honeywell STAR® Series Controller. It supports the already installed monitor point wires and allows existing coaxial cable to transmit data from S-Net devices.

With NexLine™ Plus, conversion can be a simple three step process. First, replace MSM with NexLine™ Plus; the common footprint allows NexLine™ Plus to fit in exactly the same location as the MSM. Second, connect the new S-Net reader to NexLine™ Plus with standard RS-485 wiring. Third, convert the other end of the coaxial run to RS-485 with an inexpensive NexLine™ coax adapter to which a Honeywell STAR Series Controller can be connected.

KEY FEATURES

- Uses existing coaxial cable and monitor point wire as part of a 32-bit digital electronic access control system
- Reliable transfer of power and data - no additional wiring required
- Five-pin Phoenix connector for S-Net twisted pair
- 16-pin Phoenix connector for five monitor inputs
- F-type connector for coax
- Fuse protection
- Supports S-Net protocol for faster, more reliable data transmission between controller and readers
- Supports inexpensive and easy conversion from DOS-based to Windows®-based security management systems
- Easy installation and implementation
- Inexpensive
- Allows customers to benefit from Honeywell's advanced 32-bit digital control technology, including:
 - Longer read range
 - Faster read times
 - Lower-cost command credential
 - More flexible credential options
- Protects up to 40 percent of the customer's initial investment in electronic access control by allowing existing coaxial cable to support digital components
- Supports S-Net protocol for faster, more reliable data transmission between devices

NexLine™ Plus

MSM Replacement & Coax Converter

SPECIFICATIONS

Construction:

- Sheet metal ESD protected enclosure
- Dimensions: 6 x 7.5 x 1.375 in (15.24 x 19.05 x 3.49 cm), same footprint as MSM
- Weight: 15.25 oz. (433 gms)

Environmental:

- Operating temperature range: -4° to 120° F (-20° to 49° C)
- Operating humidity range: 0 to 90%, non-condensing

Power:

- Input voltage: +15 to +28 VDC
- Operating current: .25 amps nominal
- Pass-through current: 2A

Connections:

- One F-type connector for coax
- One five-pin Phoenix connector for S-net twisted pair wires
- One 16-pin Phoenix connector for four monitor inputs and a tamper device

Recommended monitor input wiring:

- 22AWG shielded twisted pair Belden 87761 (plenum) or equivalent 2,000 ft. (610 m) maximum length
- 22AWG un-shielded twisted pair Belden 8443, 8445 or equivalent, 1,000 ft. (305 m) maximum length, noise-free environment
- 24AWG un-shielded twisted pair Alpha 6622 or equivalent, 500 ft. (150 m) maximum length, noise-free environment

Applications:

- Retrofit locations where coaxial wiring had been used as part of an electronic access control system
- Applications that require a higher level of communication protocol and performance

Other Conversion Solutions Products

NexLine™ Coax Adapter

NexLine™ provides a link between digital devices and coaxial wiring, supporting transmission of both data and power over the coax. Includes a transceiver chip for maximum wiring flexibility, as well as flexible termination jumpers for mid- and end-of-line connections. Can also be connected directly to the controller. NexLine™ is an optimum solution for installations that do not have local power at the door.

NexStar™ Multiplexer

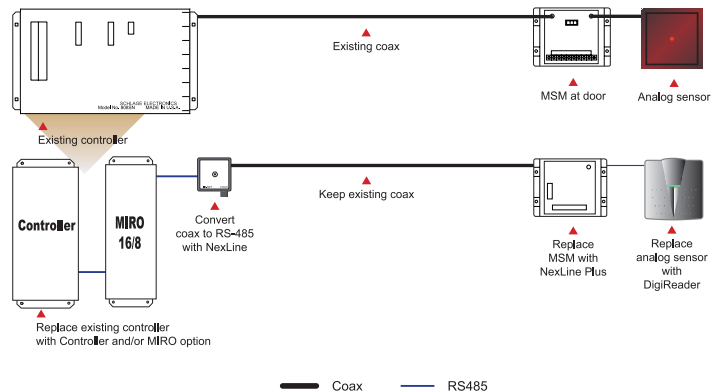
A 5-port RS-485 multiplexer that provides a link between a Honeywell controller and multiple RS-485 runs by fully supporting home-run topology.

NexStar™, NexLine™, and NexLine Plus™ are trademarks of Honeywell International Inc. STAR® is a registered trademark of Honeywell International Inc.

ORDERING

Order #	Product name
92043060000	NexLine™ Plus
92043020000	NexLine™ Coax Adapter
92043051000	NexStar™

Sample Conversion Application: Keep existing monitoring points and coax



For more information: www.honeywellaccess.com

Honeywell Integrated Security

135 W. Forest Hill Avenue
Oak Creek, WI 53154
414-766-1700
414-766-1798 Fax

European Office

Böblinger Straße 17
D-71101 Schönaich
Germany
49-7031-637-782
49-7031-637-769 Fax
www.honeywell.com

92995100019 revD
October 2005
©2005 Honeywell International Inc.

Honeywell