



SYMMETRY™ SERIES 600 MAGSTRIPE READERS

The Series 600 Magstripe readers have been designed for use with the multiNODE-I000, multiNODE-2 SMD, multiNODE-2000 and multiNODE-2100 controllers. Unlike Wiegand interface readers, the S600 Magstripe readers use secure, bi-directional, Pseudo-Random supervised communications between the multiNODE controllers and their associated readers. Both the reader and cable are supervised, and an alarm will occur if the reader is tampered with or communications are lost.

Reader enhancements include an integrated buzzer (providing positive confirmation of PIN entry), local door pre-held alarm warning, and two additional programmable indicator LEDs, used in conjunction with enhanced switching commands initiated from the reader keypad. The S600 Magstripe readers support both our proprietary format and custom formats, as well as the industry standard ISO formats. Track 1 is standard; track 2 is available as an option.

The S660 Reader Interface Module (RIM) allows door control inputs/outputs to be locally terminated, and greatly reduces the cabling to the multiNODE controllers.

READER OPTIONS

S620-Card and Keypad Reader:

Provides the additional security of magnetic stripe card and PIN code operation. The S620 keypad has two additional LED's which can be used as programmable status indicators in conjunction with up to 99 card commands initiated from the reader keypad. Each command is capable of working autonomous of the PC and can be controlled on a per cardholder basis. These commands are fully audited, providing history on who issued the command, when it was issued, what was issued and where it was issued.

S630-Mullion Card-Only Reader:

Designed to suit applications with limited mounting space at the door. The S630 Slimline Magnetic Stripe reader connects to the S650 Mullion Reader Interface (MRI) which provides the communication interface to the controller.

SS635-Mullion Card-Only Reader:

With integrated MRI suitable for direct connection to the controller.

S640-Keypad:

Provides a cost effective code-only solution for lower security applications. The S640 can be used with other reader technologies with a Wiegand interface to provide a reader with PIN configuration.

INTERFACE OPTIONS

S650-Mullion Reader Interface (MRI):

Allows a clock and data reader (such as the S630 Mullion reader) to connect to a 20mA port on a multiNODE controller. The unit includes an enclosure and mounts on the secure side of the access point. The S650 can also be used to extend and stabilize Wiegand signals up to 3000ft (1000m), providing an ideal solution for elevator environments.

S660-Reader Interface Module (RIM):

Allows the door monitor/exit request inputs and the lock release/bypass relay outputs to be locally terminated. The unit includes a local PSU for lock and reader, and interfaces with series S620/S640/S650/S670/S671 models.



OPTIONS

Options Gasket/Heater Kits: When used externally, it is advisable to ensure the readers are fitted with these kits. Three types (S620, S630 and S640) are available.

SPECIFICATIONS

Dimensions inches (mm)

	S620	S630/S635	S640	S650	S660
Width:	4.8" (123mm)	1.6" (43mm)	3.9" (99mm)	4.8" (123mm)	10" (255mm)
Height:	4.9" (125mm)	4.9" (125mm)	4.9" (125mm)	6.7" (170mm)	8.3" (210mm)
Depth:	1.8" (45mm)	1.8" (45mm)	1.8" (45mm)	1.6" (42mm)	3.5" (90mm)

Communication Distances

- multiNODE controller to S620/S635/S640/S650 (current loop) = 3000 ft/1000m
- S650 to S630 (clock and data) = 15ft (5m)
- S660 to S620/S640/S650 = 30ft (10m)
- S660 Inputs/Outputs
- 1 x Door monitor input
- 1 x Exit request input
- 1 x Door release relay output (rated 28VDC/1Amp)
- 1 x Bypass/Shunt relay output (rated 28VDC/1Amp)

Operating Environment

S650/S660 Interfaces

- +32°F to +122°F (0°C to +50°C)
- 15% to 90% humidity, non-condensing

S620/S630/S635/S640 Readers

- -13°F to +158°F (-25°C to +70°C)
- 15% to 90% humidity, non-condensing

The optional heater/gasket kit is recommended when mounting outside.

Power Requirements

S620/S630/S635/S640/S650

- Nominal 12VDC (9V-14V)
- Maximum current consumption: 0.1Amp

S660

- 18VAC supply from an external transformer with minimum rating of 50VA



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