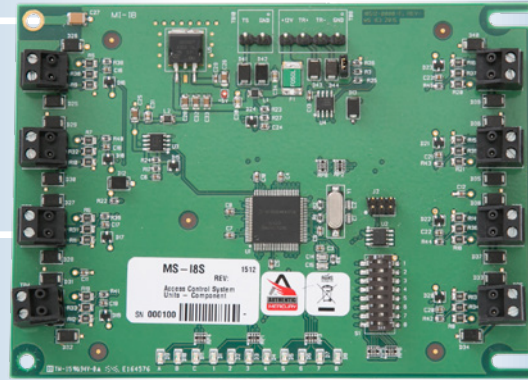HID®

HID® Mercury™ MS-I8S Bridge

HIGHLIGHTS

- 8 programmable inputs
- Plug for plug compatibility to iStar Pro I8
- AES 128 bit data encryption
- Universal I/O device characterization
- Configurable input parameters

BENEFITS

- Retrofits iStar Pro I8 modules from Software House®
- Built-in capacity to control, respond to external device commands
- Easily integrates lighting, heating/cooling, door or elevator control sensors
- Initiate commands by operator, by time schedules, or by events
- Built on the HID Mercury platform

As part of our mission to design and build a completely open access control hardware platform with a highly articulated API, the MS-I8S Bridge offers a direct retrofit of Software House's® iStar Pro I8 module.

The MS-I8S Bridge is a multi-device interface panel to replace the Software House iStar Pro I8 module. It replicates the iStar access control hardware form factor for fast "screwdriverless" changeover and easy migration of Software House client infrastructure to any HID Mercury software partner solutions.

Built on the HID Mercury platform, the MS-I8S interface panel provides the ability to monitor high concentrations of inputs, supporting 8 general purpose input circuits. These circuits are capable of being individually set for normally-open or normally-closed operations and can be declared supervised and non-supervised. Individually configurable parameters can be set for sensitivity ranges, timing parameters and end-of-line resistance values. The MS-I8S provides the capacity to link, control and respond to an array of sensors.

Additional Benefits:

- Simple Migration – Provides a streamlined path to move organizations from proprietary and/or legacy systems to open platforms, while reducing overall costs by eliminating the need to rewire legacy peripheral devices.

- Open and Flexible – The HID Mercury hardware platform is based on open architecture access control technology, which is designed to support emerging technologies, changing industry standards and evolving system environments.

- Market-Proven – With the industry's largest installed base and greatest accumulated runtime of any access hardware provider, HID Mercury Controllers have consistently provided partners and customers with the most reliable and scalable platform for more than 20 years.
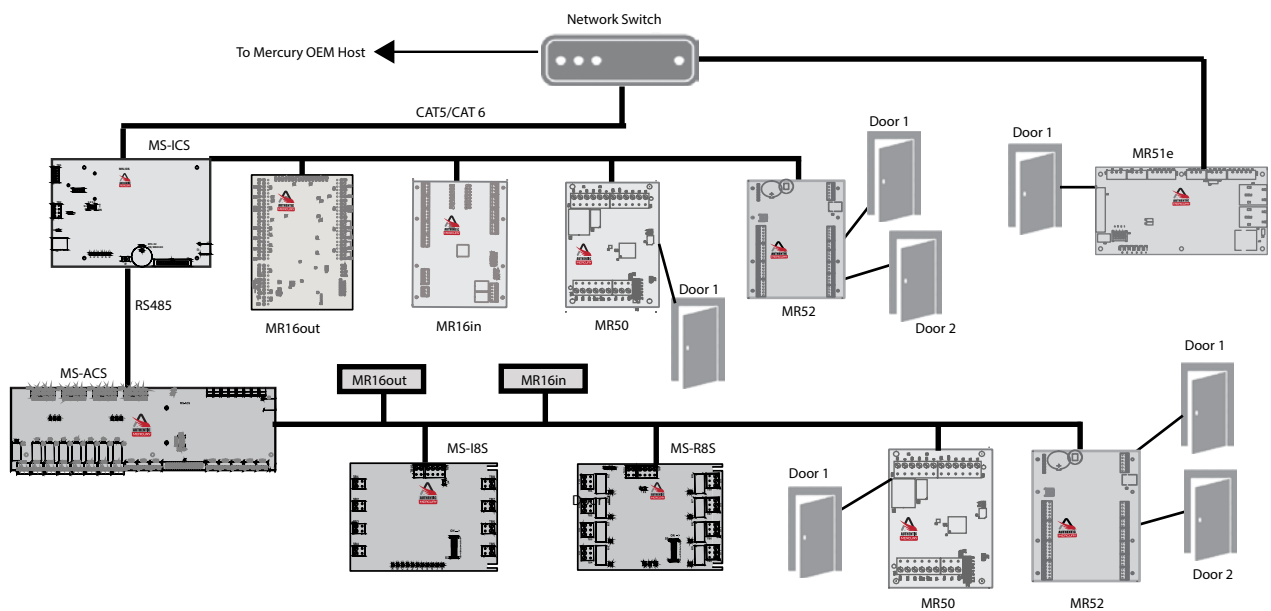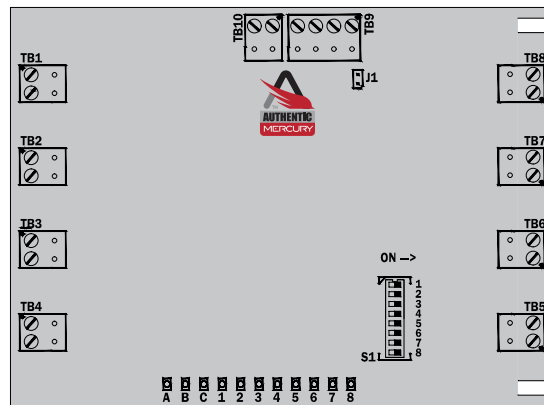
Application Notes

The MS-I8S is an integral component in the HID Mercury MS Bridge family approach to migrate iStar Pro hardware to flexible, feature-rich HID Mercury access hardware. When paired with a MS-ICS, MS-ACS or MS-R8S, customers can begin reaping the benefits of the industry leading, open HID Mercury platform.

MS BRIDGE INTERFACE MODULES

The MS-I8S is for use in low voltage, Class 2 Circuits only.

SPECIFICATIONS

Primary Power	12 VDC ± 10%, 130 mA maximum
Host Communication	2-wire RS-485 9600, 19200, 38400, or 115200 bps, asynchronous
Inputs	8 unsupervised/supervised, standard EOL: 500/1K/1K ohm, 1%, 1/4 watt; 1 dedicated cabinet tamper input
Cable Requirements	24AWG, 120 ohm impedance, twisted pair with shield, 4,000 ft (1,200 m) Power: 18 AWG, 1 twisted pair
Alarm Inputs	1 twisted pair, 30 ohms maximum
Dimensions	4.33 in. (110 mm) W x 5.90 in. (150 mm) L x 0.65 in. (16.5 mm) H
Weight	2.7 oz. (77.3 g) nominal (without terminal blocks)
Environmental	Storage: -55 to +85° C Operating: 0 to +50° C
Humidity	5 to 95% RHNC
Product Compliances	UL 294 Recognized, FCC Part 15 Class A, CE Compliant, RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65

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