

The Software House I8, R8, and I8-CSI modules provide a flexible, cost-effective means to expand the input and output functionality of any iSTAR or apC access controller. Common applications include alarm monitoring and control and elevator control.

The I8 input module provides eight Class A supervised inputs. Three LEDs per input help the installer commission and troubleshoot each input circuit – red if the input is in alarm, green for normal, and yellow for a supervision error. LEDs may be turned off via a DIP switch setting.

The I8-CSI module enhances the functionality of the standard I8 module by supporting numerous supervised circuit types and EOL resistance values. This allows the I8-CSI to accommodate existing field wiring without changing EOL resistors. More than 20 different circuit types are supported. The circuit type is selected via a bank of DIP switches and applies to all eight inputs on the I8-CSI.

Input/Output Modules

Features That Make a Difference:

- Provides cost-effective expansion of input and output capacity
- Compatible with full range of Software House® iSTAR and apC access control panels
- Locate modules up to 1,220 m (4,000 ft) away from controllers using flexible two-wire RS-485 RM bus
- Reduces length of sensor and control wiring to save installation costs
- I8 provides eight Class A supervised inputs
- R8 provides eight Form C relay outputs
- I8-CSI, configurable supervised input model, allows use of existing input wiring without changing end-of-line (EOL) resistors
- Three status LEDs per input (red/yellow/green) and one per output enable quick diagnostics and troubleshooting
- Small, modular size requires minimal panel space
- Dedicated tamper input included on each module
- Optional UL-listed enclosure available

The R8 output module provides eight Form C dry contact relay outputs. A red status LED per output shows the state of the relay.

All modules feature a dedicated input for an external cabinet tamper switch and mount easily in the Software House RM-CAN or RM-DCM-CAN enclosure. The modules communicate with iSTAR or apC controllers via the two-wire RM bus that allows total wiring distances of up to 1,220 m (4,000 ft). Up to eight I8s and eight R8s can be connected to each apC, iSTAR eX, and iSTAR Pro eight-reader model; up to 16 of each module can be connected to the iSTAR Pro 16-reader model.

The modules are fully compatible with both C•CURE® 800/8000 and C•CURE 9000.

General

Dimensions (H x W)11.0 x 15.0 cm (4.3 x 5.9 in)
 Environmental0° to 50° C (32° to 122° F); 5 to 85% relative humidity, non-condensing
 Power Input Voltage12 VDC +/- 10%
 TamperDedicated input for external tamper switch
 Weight0.23 kg (8 oz)
 RegulatoryUL 294, UL 1076, FCC Part A CE, EN 50133, ROHS

I8 Input Module

Power Requirements180 mA @ 12 VDC
 InputsEight Class A supervised
 LEDs per InputRed (alarm), green (normal), and yellow (supervision error)

I8-CSI Input Module

Power Requirements80 mA @ 12 VDC
 InputsEight Class A supervised, configurable via DIP switch
 LEDs per InputRed (alarm), green (normal) and yellow (supervision error)
 Circuits SupportedSingle resistor: 1K, 5K, 10K
 Double resistor: 1K, 5K, 10K, 1K/2K, 6.8K/18K, 200/10K
 Unsupervised: NO, NC

R8 Output Module

Power Requirements45 mA @ 12 VDC plus 32 mA per active relay
 OutputsEight Form C dry contact relays
 LED per OutputRed (relay active)
 Relay Contact Ratings30 VDC, 2.0 A resistive
 30 VDC, 1.0 A inductive
 125 VAC, 4.0 A

Optional Metal Enclosures with Tamper Switch

RM-DCM-CAN
 Dimensions356 x 305 x 89 mm (14 x 12 x 3.5 in)
 CapacityUp to four input or output modules
RM-CAN
 Dimensions210 x 184 x 83 mm (8.25 x 7.25 x 3.25 in)
 CapacityOne input or output module

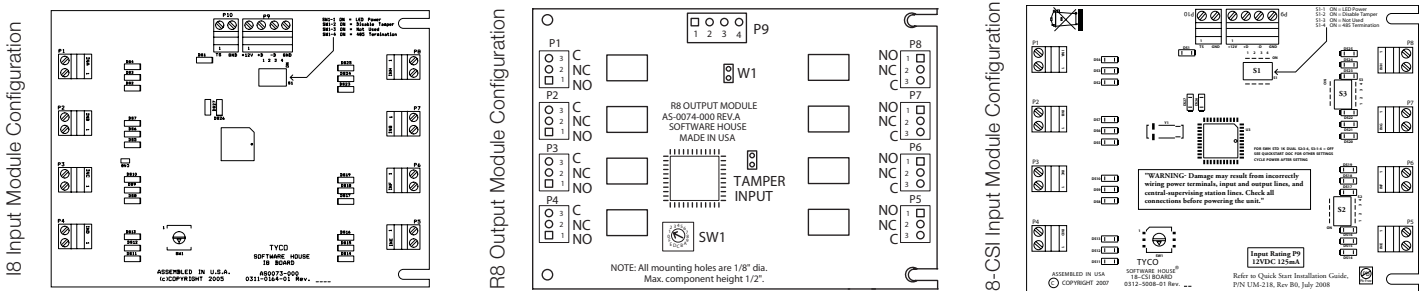
Model Numbers

AS0073-001I8 input module
 AS0073-CSII8-CSI input module
 AS0074-000R8 output module
 RM-DCM-CANLarge metal enclosure with tamper switch
 RM-CANSmall metal enclosure with tamper switch

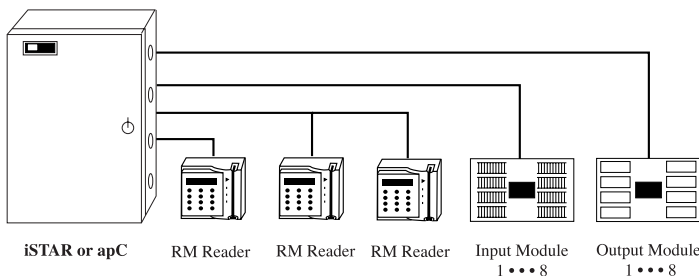
Wiring Summary

Signal	From	To	Belden #	Gauge	# of Pairs	Shielded	Maximum Length
Comm (two-wire RS485)	apC/iSTAR	I8/R8	9841*	24	1	Yes	1,220 m (4,000 ft)
Power	apC/iSTAR	I8/R8	9841*	24	1	No	Based on voltage drop
Control Point	R8	Strike, Siren, etc.	8442/8461	18	1	No	Based on voltage drop
Supervised Input	I8	REX or Door Contact	8442/8461	22/18	1	No	610 m (2,000 ft)

Wiring Configuration Diagram



Sample System Configuration: Combination Bus/Star Wiring Diagram



(+) For plenum or underground applications, use Belden 89182 for one pair 22 AWG, 100 ohm 12.95 pF/ft.
 Note: Control, supervised, and unsupervised input cables must be shielded for FCC Class B operation.

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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