



ICM

Features

- 12 VDC or 12 VAC Operation
- 2-wire or 4-wire RS-485 communication
- User Defined End Of Line Resistance
- 16 inputs and 2 outputs
- Dedicated Tamper and Power Monitor Inputs
- UL Recognized
- CE Marked

Benefits

- Future Proof
- Cost Effective
- Powerful
- Field Upgradable
- Proven hardware meeting global standards
- Installed in US Government facilities

Scaleable Architecture

Connected to the System Processor Module (SPM), the Input Control Module (ICM) provides sixteen general purpose input monitor points and two control relays for use with the Access Control and Security Monitoring System.

The ICM I/O points are monitored and controlled by the SPM. The 16 inputs and 2 outputs can be directly controlled or assigned to user defined macros in the Eclipse™ intelligent linkage system. All macros are stored and operate in the SPM.

The inputs supports normally open, normally closed, supervised, and non-supervised circuits. The input circuits are scanned using an Analog to Digital Converter. The digitized input status data is filtered and processed. The filter parameters are configurable for each input point, resulting in the ability to specify custom End-Of-Line (EOL) resistance values, sensitivity ranges, and timing parameters.

The relays can be configured for fail safe or fail secure operation. The relays support "On", "Off", "Pulse", and "Repeating Pulse" commands.

The Input Control Module (ICM) connects to the System Processor Module and provides 16 user definable monitor input points. The ICM includes a dedicated tamper and power monitor input..

All I/O points are configured using the Eclipse™ user interface. Points can be assigned directly or included in the intelligent linkage macro system. The SPM stores and processes all user defined macros and control functions.

INPUT CONTROL MODULE (ICM) SPECIFICATIONS

TECHNICAL SPECIFICATIONS

ELECTRICAL:	Primary Power: 12 VDC +/- 15%, 350 mA or 12 VAC +/- 15% 600 mA RMS
COMMUNICATION:	RS-485, 2 wire/4 wire (twisted pair with shield, Belden 9841/9842) up to 4,000'
INPUTS:	16 General purpose: programmable circuit type 2 Dedicated: tamper and power monitor
OUTPUTS:	2 Relays: Form-C, 5 AMP 30 VDC
MECHANICAL:	Dimensions: 6.0" W x 8.0" L x 1.0" H (152mm W x 203mm L x 25mm H)
ENVIRONMENTAL:	Temperature: 0-70° C operational, -55-85° C storage Humidity: 0 to 95% RHNC

COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems: SPM-C, SPM-S, SPM-E, SPM-EP 1502, SPM-EP 2500

RELATED COMPONENTS:

SDM, DDM

The ICM inputs can be used for input monitoring or interface to other security components.

Inputs can be directly masked or controlled by the operator using the Eclipse™ user interface, linked to specific outputs for automatic operation or configured for control sequences via the Eclipse™ intelligent linkage system.

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