



AP-ICM

## Features

- 10 to 28VDC operation
- 2-wire or 4-wire RS-485 communication
- User Defined End Of Line Resistance
- Dedicated Tamper and Power Monitor Inputs
- Small Form Factor (4x7 )

## Benefits

- Future Proof
- Cost Effective
- Powerful
- Field Upgradeable
- Proven hardware meeting global standards

## Scaleable Architecture

Connected to the AP Series System Processor Module (AP-SPM), the AP Input Control Module (AP-ICM) provides eight general purpose input monitor for use with the Access Control and Security Monitoring System.

Each input can be individually set to provide normally open or normally closed operation. Circuits can be declared non-supervised or supervised. Supervised circuit resistance values can either follow our standard 1K/1K specification or can be customized to accommodate any special requirements.

The Input circuits are scanned using Analog to Digital Converters. The digitized input status data is filtered and processed based on configuration to provide the proper change-of-state events. Filter parameters are configurable on a per point basis and include EOL resistance values, timing parameters, and sensitivity properties.

A compact 4x7 form factor allows for easy installation and requires minimal wall space. With all wire termination points on one edge, board installation options are plentiful. Traditional tile mounting, edge mounting, or rack mounting are all possible.

Hardware status indicators are plentiful and allow for confirmation of proper operation without any specialized test equipment. Individual LEDs indicate the state of each input.

The AP Series Input Control Module (AP-ICM) connects to the System Processor Module and provides 8 user definable monitor input points.

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

# AP SERIES INPUT CONTROL MODULE (AP-ICM) SPECIFICATIONS

## ▲ TECHNICAL SPECIFICATIONS

<b>ELECTRICAL:</b>	Primary Power: 10-28 VDC, 125 mA
<b>COMMUNICATION:</b>	(2) RS-485, 2 wire/4 wire (twisted pair with shield, Belden 9841) up to 4,000'
<b>INPUTS:</b>	8 General purpose: programmable circuit type 2 Dedicated: tamper and power monitor
<b>MECHANICAL:</b>	Dimensions: 4.0" W x 7.0" L x 1.0" H (102mm W x 178mm L x 25mm H)
<b>ENVIRONMENTAL:</b>	Temperature: 0-70° C operational, -55-85° C storage Humidity: 0 to 95% RHNC

### COMPATIBLE SYSTEM PROCESSOR MODULES:

Eclipse™ 700 systems: AP-SPM

### RELATED COMPONENTS:

DDM, OCM

The AP-ICM inputs can be used for input device monitoring or interfaced 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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