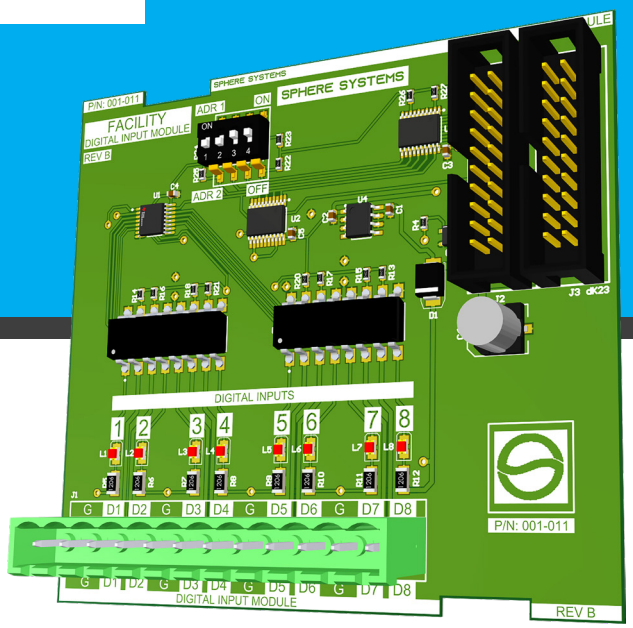
SPHERE SYSTEMS

DATASHEET SECURITY RANGE



DIGITAL INPUT

The Digital Input card provides a total of 8 voltage-free contact closure inputs that are grounded and exhibit an open-circuit voltage range of 8-12VDC.

To prevent potential damage stemming from field fault conditions, these inputs are optically isolated from the expansion card electronics.

Adding a layer of user-friendly functionality, each input is accompanied by an LED indicator.

- LED Off: Open Circuit
- LED On: Closed Circuit

Through software commands, the configuration of input debouncing is possible, bolstering noise immunity for mechanically switched inputs.

SPECIFICATIONS

Physical

Width	82.6mm (3.25")
Length	91mm (3.58")
Height	20mm (0.78") (w/o Connectors)
Mounting	3TK2 Series SnapTrack
Degree of Protection	IPXX

No need for fans, heat sinks, or heat dissipation methods

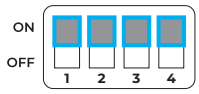
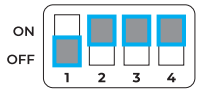
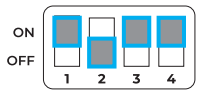
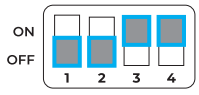
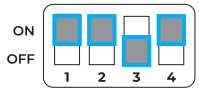
Connections

Inputs	12-Way 5mm Pitch Pluggable Connector
Expansion Bus	20-Way 2 Row Flat Cable IDC Socket

SWITCH SETTINGS

DIP Switch Configuration

DIP switches are used to define the I/O addresses

	Address: 0 I/Os: 9 - 16
	Address: 1 I/Os: 17 - 24
	Address: 2 I/Os: 25 - 32 Applies to Digicom Firmware Only
	Address: 3 I/Os: 33 - 40 Applies to Digicom Firmware Only
	Address: 4 I/Os: 41 - 48 Applies to Digicom Firmware Only

