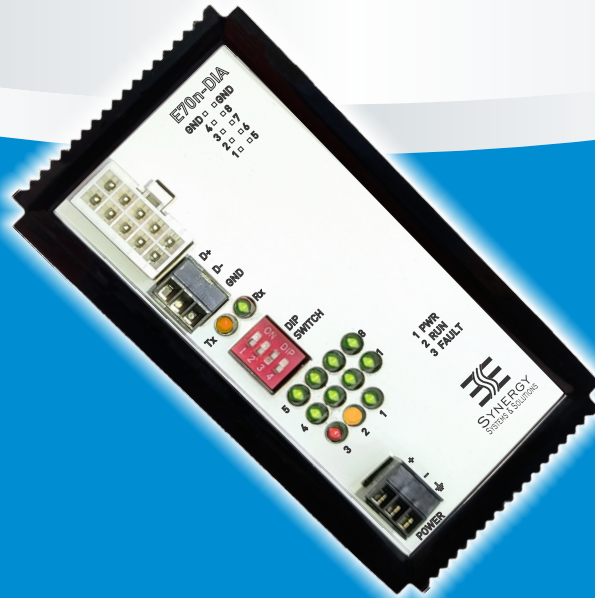


# HUSKY™ REMOTE DIGITAL INPUT



## E70n-DIA

E70n-DIA series of Remote Digital Input module is a positive logic binary input device that can scan isolated digital inputs. Input scanning is executed at high resolution of 500 microseconds with a time stamp accuracy of 1 millisecond. DI Module can sense 220VDC, 110VDC, 48VDC or 24VDC depending upon the order selection. Status change with time stamp resolution of 1 millisecond can also be captured by the E70n-DIA. Each module can be assigned a specific module ID through the use of DIP Switches. Communication with a higher order system is via a 2-wire RS485 Port which supports baud rate up to 115200 bps. Protocols supported include Modbus RTU, IEC60870-5-101.

## TECHNICAL SPECIFICATIONS

### INPUT INTERFACES

DI channels	Isolated Digital Inputs
Communication Port	01 RS485 port (2 wire)
Module ID	Dip switch

### DIGITAL INPUT

Connector	5x2 Pluggable Molex connector
Input Voltage	24VDC, 48VDC, 110VDC & 220VDC
Pulse Counter	Up to 1kHz
Input Filter	Settable from 1-255msec
Chatter Filter	Yes
Isolation	3.7kV DC

### SERIAL COMMUNICATION INTERFACE

Number of Ports	01
Serial Standard	RS485, 2 Wire
Baud Rate	Upto 115200 bps
Serial Signals	DATA+, DATA- & GND
RS485 Termination	120 ohms (in-built)

### LED INTERFACE

Functional LEDs	PWR, RUN & FAULT
DI LEDs	Digital Input Status LEDs

### POWER PARAMETERS

Connector	03 Pin Screw Tightened Terminal Block
Input Current Consumption	100mA @ 24VDC

### INPUT VOLTAGE

Option 1	9VDC to 18VDC
Option 2	18VDC to 36VDC
Option 3	36VDC to 75VDC
Option 4	Universal Input – 85 to 305VAC & 70 to 350VDC

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## MECHANICAL SPECIFICATIONS

Mounting	DIN Rail Mounted
Mechanical Dimensions	(L)115 x (H)65 x (D)115mm
Housing	Plastic
Digital Input Wiring	24 to 18 AWG

## STANDARDS COMPLIANCES

EMC & EMS	IEC 61000-4-5 - Surge Test, Level 3 (+/-2kV Common Mode, +/-1kV Differential Mode)
	IEC61000-4-4 - Electric Fast Transient Test, Level 3 (+/-2kV Power Port, +/-1kV Serial Communication Port)
	IEC61000-4-2 - Electrostatic Discharge Test, Level3 (Contact: 6kV, Air: 8kV)
	IEC61000-4-3 - Radiated RF Electromagnetic Field Immunity Test (RS), Level3 (80 MHz to 1 GHz: 10 V/m)
	IEC61000-4-8 - Power Frequency Magnetic Field Test, Level4 (30 A/m 300 A/m pulsed 1-3 second)
	IEC 61000-4-6 - Immunity to RF Conducted Disturbances Test (CS) Level3 (Voltage: 10Vrms, Mod:80%, 1kHz)
EMI	Conducted Emission CISPR 32 FCC Part 15B, Class A
	Radiated Emission CISPR 32 FCC Part 15B, Class A
ENVIRONMENTAL TESTING	IEC 60068-2-1 Cold Test (-5°C)
	IEC 60068-2-2 Dry Heat Test (+70°C)
	IEC60068-2-78 Damp Heat Test
VIBRATION	IEC 60068-2-6 Vibration Test

## ORDERING INFORMATION

E70n-DIA-PX-VX-DX

P X	V X	D X
Input Power Supply	DI Voltage	No. of DI Channels
1 - (9-18VDC)	1 - 24VDC	6
2 - (18-36VDC)	2 - 48VDC	8
3 - (36-75VDC)	3 - 110/220VDC	16
4 - (84 TO 305 VAC & 70 to 350VDC)		

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