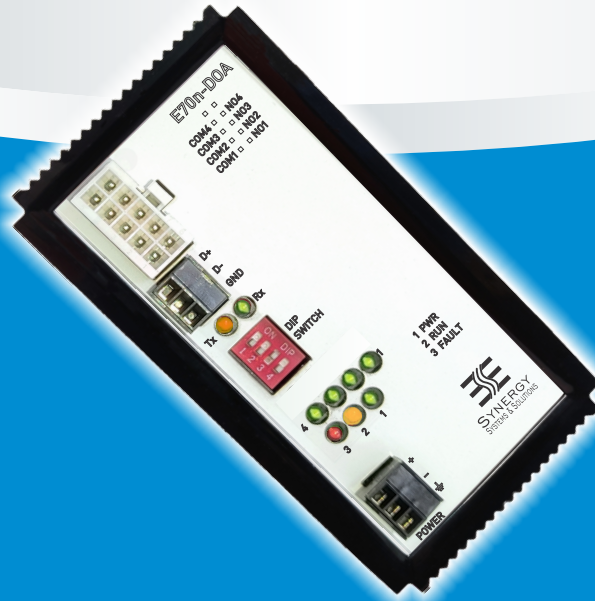


HUSKY™ REMOTE DIGITAL OUTPUT



E70n-DOA

E70n-DOA series of Remote Digital Output module provides potential free NO contacts for operating process equipment. The module supports pulsed and latched outputs in direct-operate or select-before-operate modes. 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

DO channels	Isolated NO contacts
Communication Port	01 RS485 port (2 wire)
Module ID	Dip switch

DIGITAL OUTPUT

Connector	5x2 Pluggable Molex connector
Contact Type	SPST-NO
Isolation	1.5kV AC

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
DO LEDs	Digital Output 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

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-DOA-PX-DX

P X	D X
Input Power Supply	No. of DO Channels
1 - (9-18VDC)	3
2 - (18-36VDC)	4
3 - (36-75VDC)	
4 - (84 TO 305 VAC & 70 to 350VDC)	