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TECHNOLOGY GROUP

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along with credit for buybacks and trade-ins.

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

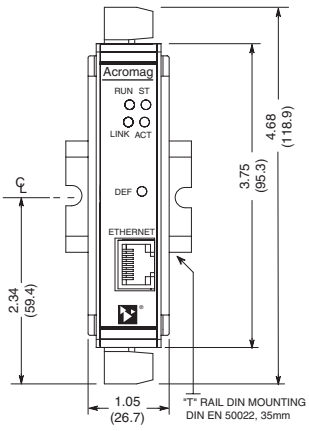
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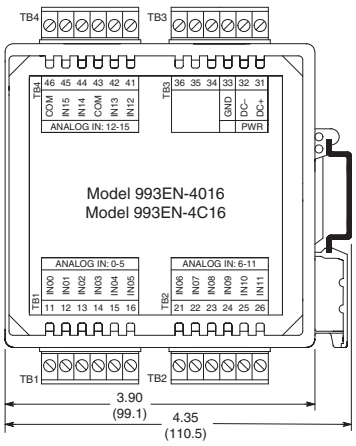
Find the *Acromag BusWorks 993EN-4016* at our website: *Click HERE*

Ethernet I/O: BusWorks® Series

993EN Ethernet Analog Input Modules







Standard model includes cage clamp terminal blocks. Optional terminals are available (see Page 26).

Modbus/TCP conformance tested

16-channel Single-ended Analog Current Input ◆ Modbus TCP/IP Communication

Description

Models

993EN-4016: Industrial-grade units
993EN-4C16: Commercial-grade units

These modules interface high-level analog input signals to an Ethernet control network. A high-performance design ensures reliable measurements and dependable operation.

Industrial-grade models add a configurable integrator/totalizer plus superior accuracy and temperature performance compared to the economical commercial-grade version.

Input Ranges

±20mA, 0-20mA, 4-20mA DC
(selectable on each channel)

Ethernet Communication

Modbus TCP/IP, 10/100Base-T(X)

Power Requirement

18 to 36V DC, 2.0W

Approvals

CE, UL/cUL (industrial-grade units only)
Zone 2, Class 1, Division 2, ABCD

Key Features & Benefits

- High-resolution 16-bit A/D
- Fast scanning of all channels in 8mS
- 3-way isolation and surge suppression
- Configurable integration/totalization function with non-volatile registers
- Dual-format 16/32-bit data registers
- Scaling registers on all channels
- Configurable sample averaging
- Automatic calibration and self-test
- User-adjustable TCP Ports 1-99,999 for advanced network configuration
- Web browser configuration with copy utility for fast setup

Performance Specifications

Accuracy
993EN-4016: Less than 0.05% of range
993EN-4C16: Less than 0.10% of range

Input Impedance
200 ohms

Operating Temperature and Humidity Ranges
993EN-4016: -40 to 70°C (-40 to 158°F)
993EN-4C16: 0 to 55°C (32 to 131°F)
Relative humidity: 5 to 95%, non-condensing

Isolation
3-way isolation of I/O, power, network circuits.
Peak: 1500V AC, ANSI/ISA-82.01-1988
Continuous: 250V AC, 354V DC

Ordering Information

◆ I/O Modules

993EN-4016 {industrial-grade}
16-ch current input module with integrator

993EN-4C16 {commercial-grade*}
16-ch current input module

* CE approval only, no integrator function

◆ Accessories

Industrial Ethernet Switches
Hardware Accessories and Power Supplies
Software Support

Acromag THE LEADER IN INDUSTRIAL I/O

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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