

# Monitor, Control and Maintain Production From Anywhere



## **IDEC** *Web Server Module*



*Think Automation and beyond...*

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MANUFACTURING COMPANY

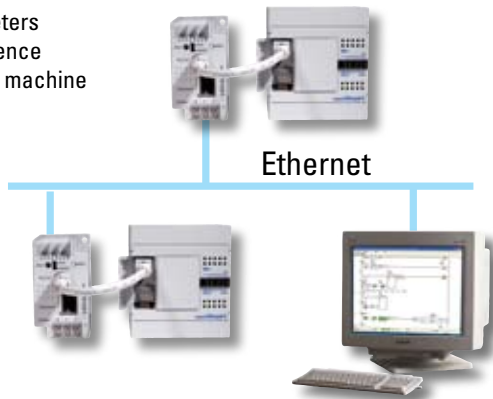
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# Save Time and Experience Fast

## Remote Maintenance

- Easily monitor machine conditions, change machine configurations, or upload and download user programs from anywhere, using IDEC WindLDR software over an Ethernet network.
- For a more graphical display and remote data archiving, OPC servers, such as IDEC WindSRV or standard SCADA software, can be used.
- Save time and money:
  - Access system parameters from your desk, conference room or home to check machine status without walking the factory floor.
  - If a machine is down, you no longer need to send someone with their laptop to debug or download a new user program.



FC4A-ENET

## Web Monitoring



- Machine status can be monitored and controlled from any PC using standard internet browsers such as Internet Explorer or Netscape®.
- A built-in custom template, which allows you to monitor and change system parameters, is included.
- Get more flexibility and control by creating your own custom templates – for monitoring and managing your system – using JAVA programming.

## Alarm Messaging

- Real-time updates of error status or process conditions can be sent to an email address or cellular phone.
- A maximum of 32 customizable messages can be predefined with up to two email addresses each.



# er, Easier Ethernet Connectivity

## O/I Connectivity

- Using the IDEC Web Server Module on an Ethernet network, an IDEC PLC can be configured as a host to an IDEC operator interface. This allows the touchscreen and PLC to be in separate locations.
- No longer hassle with specialized cables and serial connection limitations.



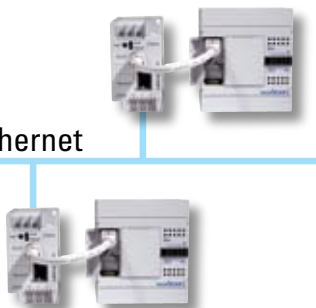
Ethernet



## Data Exchange

- An IDEC PLC can transmit and receive data with external devices – IDEC PLCs, operator interfaces, or other devices – in 1:1 format.

Ethernet



## Password Protection

- The IDEC Web Server Module can be configured with password protection to allow only authorized personnel to gain access to your system.

ID

JSmith

Password

\*\*\*\*\*

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# IDEC Web Server Module

Part Number	Description
FC4A-ENET	Web Server module including interface cable, manual on CD-ROM and Quick Start guide

## General Specifications

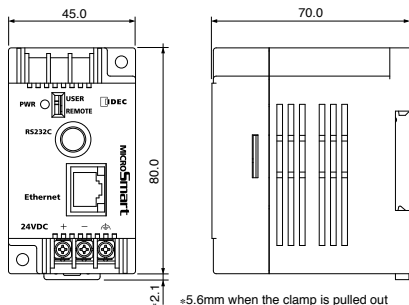
Rated Power Voltage	24V DC
Allowable Voltage Range	20.4 to 26.4V DC
Current Draw	70mA
Allowable Momentary Power Interruption	10ms maximum
Dielectric Strength	500V AC, 1 minute
Insulation Resistance	10MΩ minimum (500V DC megger)
Noise Resistance	DC power terminal: 1.0kV, 50ns to 1μs Ethernet cable: 0.5kV, 50ns to 1μs (coupling clamp)
Inrush Current	4A maximum
Operating Temperature	0 to 55°C
Storage Temperature	-40 to +70°C (no freezing)
Relative Humidity	10 to 95% (no condensation)
Pollution Degree	2 (IEC 60664-1)
Corrosion Immunity	Free from corrosive gases
Degree of Protection	IP20 (IEC60529)
Vibration Resistance	When mounted on a DIN rail: 5 to 9Hz amplitude 3.5 mm 9 to 150Hz acceleration 9.8m/s <sup>2</sup> (1G) 2 hours in each of 3 axes
Shock Resistance	147m/s <sup>2</sup> (15G), 11ms duration 3 shocks each in 3 axes
Weight (approx.)	150g

## Interface Specifications

Communication	RS232C <=> Ethernet conversion function
Ethernet Specifications	Electrical characteristics: Complies with IEEE802.3 Transmission speed: 10BASE-T/100BASE-TX (Not CE compliant)
	Communication protocol: IP/ICMP/ARP Ethernet protocol: TCP/SMTP/HTTP/Telnet No. of TCP connections: 1
Serial I/F Specifications	Electrical characteristics: EIA RS232C Transmission speed: 9600 to 115200 bps Synchronization: Asynchronous
	Communication protocol: Full duplex Transmission control: RTS/CTS, XON/OFF, None
Connection Method	Ethernet interface: RJ45 Serial interface: Mini DIN 8-pin connector Cable Type No.: FC4A-KC3C
	Remote maintenance: Uploading, downloading and monitoring using WindLDR via Ethernet
Major Functions	Web server: Configure the web server unit using Internet Explorer etc. Reading and writing PLC operands using Java applet. Web file area: 512 Kbyte Compliant browser: Internet Explorer 6.0 Netscape 7.2
	Data Exchange: User communication using Ethernet
	Alarm Messaging: Registered outgoing message 32 message types 3 characters max. 2 email addresses 64 address characters max.
Option	Utility CD: Configuration file, PLC operand monitor sample programs, sample program configuration instructions, instruction manual

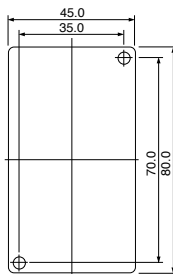
Specifications and other descriptions in this catalog are subject to change without notice.

## Dimensions



±5.6mm when the clamp is pulled out

### • Mounting Hole Layout for Direct Mounting



M4 mounting screw  
(12 mm or 15 mm)

## Connectable Devices

- Programmable Controllers
  - IDEC FC5A MicroSmart (available soon)
  - IDEC FC4A MicroSmart
  - IDEC FC3A OpenNet Controller
  - IDEC FC2A Micro3C
- Operator Interface
  - (RS232C communication with PLC through Ethernet)
  - IDEC HG2F