IA-3178-EP

TCP/IP Ethernet Controller
32-ch SPDT Power Relay
Single or Pair Operation

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Features

- WEB, TCP/IP Controlled
- 32-ch, SPDT, Power Relays
- Simple operation
- Thousands relays global commands
- High speed communication
- API & Open source examples
- Simple Local further Expansion
- Isolated Voltage Monitor Input
- Second Watchdog Protection
- Status Led indicators on all I/O
- DIN-Rail mounting ready

Introduction

The IA-3178-E is an Industrial, TCP/IP, Web controlled Relay Controller Board that includes 32 Power Relays and an Isolated, High Voltage Line Monitor, designed and supported by Intelligent-Appliance.

The relays are of SPDT kind, with a Contact Rating of 16Amp@24VDC, and 16Amp@250VAC. The average Current Flow at board level should be kept at 10Amp per Relay, to ensure secured operation without cooling.

The Relays may be operated in a normal random way, or they can be operated in pairs, providing some sort of DPDT functionality, manipulated by onboard logic.

The IA-3178-E Relay Controller includes Series-3000 Daisy-Chain facility, enabling a simple Local expansion, controlling a massive amount of boards, through a single IP.

The IA-3178-E Software Support package includes open source code examples as well as setup and configuration utilities for fast software implementation.

The IA-3178-E makes an excellent tool for Web control systems, Factory Floor, Machine Control, Environment control and Home control.

Ordering Information

IA-3178-EP	32-ch, 10Amp SPDT Relay, **TCP/IP Ethernet** Controlled. 12-60VDC Monitor Range**.**
IA-3178H-EP	32-ch, 10Amp SPDT Relay, **TCP/IP Ethernet** Controlled. **90-277VAC Monitor Range.**
IA-3178Y-EP	32-ch, 10Amp SPDT Relay, **16A@30VDC** 0~40°C 12-60VDC Monitor Range**.**

Specifications

32 Reays

Contact current	16 Amp @ 24 VDC
	16 Amp @ 30 VDC Y Suffix
	16 Amp @ 250 VAC
Contact method	SPDT, Form C

Isolated Digital Inputs

Channels	1
Voltage Range	12V to 60VDC
	90V to 277VAC - H Sufix
Isolation	Optic

Communication
Ethernet

LAN	10/100 Base-T
Protocol	TCP/IP DHCP and Static
Default IP	10.1.1.22
Default Port	23

Serial Port

Baud Rate Range	1200 – 115200
Default Settings	19200, 8, n, 1
Flow Control	None
Connector	DB9 Male

General

Supply Voltage	24VDC, 0.8Amp
Operating temperature	0~60°C @ 10Amp x 32ch
Operating temperature	0~40°C @ 16Amp x 32ch
Storage temperature	-30~80°C
Mounting	Din-Rail 35, Wall Mounting
Dimensions	345x140x45 mm
Weight	990gr

CE FC

Specifications are subject to change without notice