IA-2216-5

16-ch Relay
RS-485 Controlled

IA Intelligent Appliance
For Smart Solutions...

Introduction

The IA-2216-5 is a Long Range, Multi-Drop Power Relay Controller.
It is CE, FCC Approved, ROHS compliant Industrial Grade, and low-cost Relay Controller, equipped with 16 Power Relays with a contact rating of 10 Amp at 250VAC.
It is an RS-485 Multi-Drop Relay Controller that can be easily modified into USB, WIFI or Ethernet controlled, simply by attaching an appropriate IA adaptor.

The IA-2216-5 is Intelligent-Appliance Series-3000 software compatible, powered by 24VDC supply voltage. IA-2216-5-12V devices are powered by 12VDC supply voltage.

The software support package includes both Labview and Microsoft Dot.Net libraries, open source examples and operation utilities for fast and easy software implementation.

Ordering Information

IA-2216-5-P	16-ch, 10 Amp Relays Module, RS-485 controlled. Pluggable Terminal Blocks
IA-2216-5	16-ch, 10 Amp Relays Module, RS-485 controlled.
IA-2216S-5-P	16-ch, 10 Amp Relays Module, RS-485 controlled. Transient Voltage Suppressors. Pluggable Terminal Blocks

Features

- 16-ch Power Relay controller
- Relays are of SPDT Form C type
- RS-485 Controlled
- Long range Multi-drop solution.
- 12V or 24VDC Powered devices
- IA Series-3000 commands compatible
- Local & Global commands list
- Pluggable Terminal Block, available
- On-board Relays Contact Transient Voltage Suppression, Available.
- Din-Rail mounting ready
- Wall Mounting ready

Specifications

Relays

Channels	16
Contact method	SPDT, form C
Contact current	10 Amp @ 30 VDC
	10 Amp @ 250 VAC
Relay ON Time	10ms
Relay ON Time	5ms
Mechanical Endurance	10^7
Electrical Endurance	10^5

Communication

COM type	RS-485	
COM range	4000 Feet, over 1KM	
Factory Defaults	Baud Rate	19.2bps
	Data bits	8
	Parity	None
	Stop bits	1
Baud Rate Range	1.2K-230.4K	
Address Range	00-0F	Dip Switch
	00-FF	Software

General

Power consumption	24VDC, 0.4Amp	
	12VDC, 0.8Amp	
Operation Temperature	0 ~ 60° C	
Storage Temperature	-30 ~ 80° C	
Weight	430 gr	
Module Size	265x115x45 mm	
Mounting	DIN-Rail or Wall Mount	

CE FC RoHS COMPLIANT