

IA-3137-U2i

16-Ch Relay
USB and RS-232 Controlled
IA Multi-Drop Series

IA Intelligent Appliance
For Smart Solutions...



Introduction

The IA-3137-U2i is an Industrial Power Relay Controller, USB and RS-232 Controlled, with an easy and transparent operated chaining method.

The IA-3137-U2i includes 16 power relays with a contact rating of 16Amp at 250VAC, each.

An Isolated Voltage Monitor is available on board, in order to provide an easy mean to monitor the presence of the Main Supply. This circuit has two operation voltage ranges to choose from. 10 to 60VDC as a standard, with no extra suffix on product's P/N, or 90 to 277AC voltage range on boards that carries an "H" suffix.

Each IA-3137-U2i Relay Controller has a unique ID number that equals its Serial Number as well as a User defined Address to help dealing with a multi controllers system.

The Isolated USB port helps separating PC and Factory Floor power sources and GND lines to minimize factory environment EMI/RFI noise on the Host PC, while internal registers may be set to pre define Relays status in an extreme case of communication failure.

Open Source software examples, DOT.net Library and operation utilities are provided to short software implementation routine.

Features

- 16 Power Relays
- Isolated Voltage Monitor
- Dual Watchdog Protection
- Isolated USB Port
- USB and RS-232 Controlled
- Fast Communication Rate
- 16Amp @ 250VAC Contact Rating
- Inductive Load Protection on each output
- DIN-Rail mounting ready
- Easy Chaining

Specifications

Relays

Channels	16
Contact Rating	16Amp @ 250VAC
Contact Method	SPST (Form A)
Operation Time	15mSec Max.
Releasing Time	8mSec Max
Isolation Voltage	5000 Volt AC 1min

Voltage Monitor

Channels	1
Voltage Range	" ": 10VDC to 60VDC "H": 90VAC to 277VAC
Isolation Voltage	2500 Volt

Communication

Main COM Port	Isolated USB
Secondary Port	RS-232, DB9, Female
Expansion Port	RS-232, DB9, Male
COM Rate	1200 to 115,200 bps
Default Setting	19200, 8, n, 1

General

Power Requirement	24VDC 0.5Amp
Module Size	215x135x50 mm
Weight	440gr

Ordering Information

IA-3137-U2i	16-Ch Relay Module Voltage Monitor Range 10~60VDC
IA-3137-U2i-H	IA-3137-U2i with Voltage Monitor Range 90~277VAC
IA-3137-U2i-P	Pluggable IA-3137-U2i with Voltage Monitor Range 10~60VDC
IA-3137-U2i-PH	Pluggable IA-3137-U2i with Voltage Monitor Range 90~277VAC



* USB Cable included