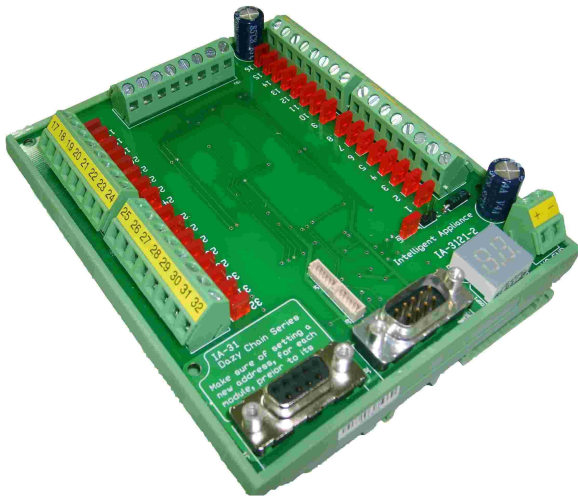# IA-3121

**32 SSR (Relay)
COM Controlled
IA Dazy-Chain Series**

## Intelligent Appliance

## Features

- Solid state 32 Relays
- Simple operation
- Programmable initiate state individually set for each relay.
- Up to 256 modules may be controlled by a single COM port.
- Global & individual commands.
- IA Dazy-chain series compatible
- DIN rail mounted

## Introduction

The IA-3121 is an intelligent 32 Relays (Solid State ones), module, controlled by Dazy-chain RS-232 Communication method, and is a part of the IA Multi system Series.

This module has been especially designed for Inductive Loads, and for massive operations cases.

Each output includes a protective diode, thus eliminate the user need to implement
a protective element on each load.

Special care should be taken while connecting the loads to this module, as this module is capable of operating DC loads of up to 30VDC, while it CAN NOT operate AC LOADS!

Dazy-chain operation is totally transparent to the user. It has no affect on the cards operation, while enabling the user of adding additional modules to the same COM Port.

## Specifications

**Solid state relays**

| | |
|---|---|
| Channel load current: | 1 AMP @ 30VDC |
| Board load current: | 15 AMP @ 30VDC |
| Wiring: | See user manual |

**Communication**

| | |
|---|---|
| COM method: | RS-232 |
| COM expand: | RS-232 Dazy-chain |
| Default BR: | 19200 bps |
| COM input: | USB Type B |
| COM output: | DB9 Male |
| Host/Module cable: | USB Type A/B |
| Module/Module cable: | DB9 M/F pin-to-pin |
| Wiring Distance: | Up to 15m between each module to the following one. |

**GENERAL**

| | |
|---|---|
| Logic supply Voltage: | 10 to 30VDC, 2W |
| Load Supply Voltage: | 10 to 30VDC, up to 15 Amp |
| Module Size: | 136x147x44mm |

## Ordering Information:

- **I A - 3 1 2 1 :** 32 SSR (Relay)
  Com Controlled
  IA Dazy-Chain Series

Specifications subject to change without notice.