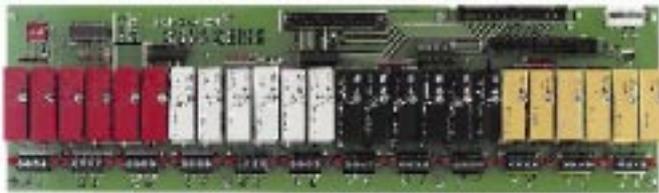# SSR-RACK16, SSR-RACK08 and SSR-RACK04

Interface Racks for Solid State Input/Output PCB & DIN rail mounting Modules

PCB MOUNTING

8 CHANNEL DIN RAIL MODULES

Inventa 16 , 8 and 4 Channel DIN RAIL& PCB Modules for Direct Connection to the PLC & PC interface , I/O Plug-in Boards
On-Board Buffers (optional)

Solid State Relays are manufactured by inventa since last decade, & have proven for ranges from 1A-90 AAC. Now digital I/O boards can be directly interfaced to real world devices using INVENTA MODULES Output voltages from PC cards or PLC are usually limited to TTL levels (0/5 Vdc) or PLC supply (12, 24 VDC) voltage levels with a few milliamps of drive current.

When higher voltages or currents are needed, to drive contactors, solonoids INVENTA 's solid state I/O modules are the perfect solution. Models are available for input or output signals in AC and DC voltage versions.

The SSR-RACK series is a family of backplanes that accept the solid state I/O modules and provide a interface between control device & real world with optical Isolation to protect the CONTROL UNITS. Different RACK MODULES are available for such purposes easy to connect & protected by fuse & MOV for the user's ease of operations.

Basically module comprise of

1. I/O SSR - are available in different types as per your need.
DC/AC ; DC/DC
eg input from PLC/PC, say 24 VDC & output to AC Contactor/solonoid you need DC/AC SSR.
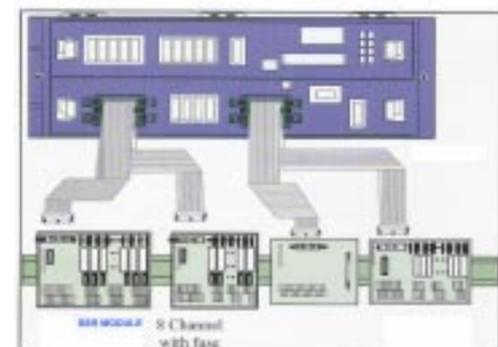or out put from PLC/PC & it has to drive DC Solonoid needs DC/DC relay

2. Input terminals : FRC/ Terminal Blocks/ D type connector are the choices for incoming cable from PLC / PC. Input indication LED is provided. All the alternatives are optional.

3. Out put terminals: General termination is on TERMINAL Blocks. Options are available.But keeping in mind the voltage & current required we prefer connections

Information required by INVENTA
1. Connector from PLC ,- eg --wires , D type connector , FRC connector
2. Control voltage from PLC / PC
3. Our input current requirement per SSR will be 10 mA max , which is to be supplied by PLC/PC output.
4. If You need buffered input to reduce above current requirement , if so please indicate your limitation. Here AUXAL-LIRY SUPPLY is required
5 All SSRs shall be supplying max 1AAC or if DC solonoid 1 ADC SSRs are different . Indicate output type whether AC or DC

connection layout