

(S) OUR OTHER PRODUCTS

20.1 DC POWER SUPPLY



PS-24/L

DESCRIPTION :

Libratherm offers DC Power Supply Models PS-24/L (Regulated/Variable Linear power supply) and PS-24/S (fixed SMPS) used for various application in the industry. DC output of these power supplies is adjustable from 5 to 24 VDC. These Models are available in standard DIN Rail size in ABS plastic enclosure.

APPLICATION:

- ▶ Loop power supply to external Temperature Transmitters.
- ▶ Loop power supply to external Pressure, Level, Flow and Humidity Transmitters etc.
- ▶ Power supply to Transducers, Sensors, Encoders, Proximity and IR Sensors etc.
- ▶ Power supply to Relay Cards.

TECHNICAL SPECIFICATIONS:

Model	PS-24/L for Linear and PS-24/S for SMPS
DC Output	5 to 24 VDC (Adjustable for PS-24/L)
Load Current	100mA, 200mA and 500mA
Mounting	DIN Rail
Enclosure	ABS Plastic

20.2 RELAY/AC SSR/DC SSR CARDS



DESCRIPTION :

Librathern offers four and eight channel Relay Cards. These cards are mainly designed for interfacing low level switching signal outputs coming from PLC or Process Controller to the external AC/DC operated switching devices (like contactors, solenoid valves, lamps, motors etc. in industrial automation control application). Various types of such cards are available viz. Single changeover contact card (1 C/O) two changeover contact card (2 c/o) operating on 12 or 24 VDC supply.

Librathern also offers AC and DC solid-state relay cards (using Triacs and Bipolar Transistors) for 4 or 8 channel controls. AC solid-state relay card accepts DC controls signal of (0-5) VDC or (0-10) VDC and can switch any single-phase AC load rated at 5A @ 230VAC. DC solid-state relay cards also accept (0-5) or (0-10) VDC control signal and can switch the DC load of 5A @ 24VDC (max). The AC solid-state relay cards are useful for fast switching (less than 1 second switching time) of AC loads. The LED indication for each input / output is also provided on the card. All the relay cards can be mounted on the plane surface or can be mounted on universal DIN size rails.

TECHNICAL SPECIFICATIONS:

	Relay Card	AC Solid State Relay Card	DC Solid State Relay Card
Model	RLY-8	SSR-8/AC	SSR-8/DC
Control Input Pulse or Level	5 to 24 VDC	5 to 24 VDC	5 to 24 VDC
No. Of Outputs	4, 6 or 8	4, 6 or 8	4, 6 or 8
Output type Opto isolated from the Input	1 C/O or 2 C/O contacts rated for 5A @ 230VAC & 24VDC.	0 VAC (OFF state) and AC Line Voltage (ON state) rated for max. 10A@230VAC	0 VAC (OFF state) and DC Supply Voltage (ON state) rated for max. 5A @ 24VDC
Output Operating Voltage	12 or 24 VDC for relay coil	230 VAC or 110 VAC for external AC load	12 or 24 VDC for open collector output
Mounting	DIN rail or surface	DIN rail or surface	DIN rail or surface
Size	As per standard	As per standard	As per standard

User should specify whether the input is active low or high. In other words, when the input signal is High the Output should be On or when the input signal is Low the output should be On.

ORDERING INFORMATION: (Relay Card)

20.2.1	RLY-4/1L	4 channel single c/o relay card with active low input
20.2.2	RLY-4/1H	4 channel single c/o relay card with active high input
20.2.3	RLY-8/1L	8 channel single c/o relay card with active low input
20.2.4	RLY-8/1H	8 channel single c/o relay card with active high input
20.2.5	RLY-4/2L	4 channel two c/o relay card with active low input
20.2.5	RLY-4/2H	4 channel two c/o relay card with active high input
20.2.6	RLY-8/2L	8 channel two c/o relay card with active low input
20.2.7	RLY-8/2H	8 channel two c/o relay card with active high input

ORDERING INFORMATION: (DC to AC Solid State Relay Card)

20.2.8	SSR-2/AC	2 channel AC SSR card
20.2.9	SSR-4/AC	4 channel AC SSR card
20.2.10	SSR-6/AC	6 channel AC SSR card
20.2.11	SSR-8/AC	8 channel AC SSR card

ORDERING INFORMATION: (DC to DC Solid State Relay Card)

20.2.12	SSR-2/DC	2 channel DC SSR card
20.2.13	SSR-4/DC	4 channel DC SSR card
20.2.14	SSR-6/DC	6 channel DC SSR card
20.2.15	SSR-8/DC	8 channel DC SSR card

To order specify the required code, for example for 8 channel AC SSR card, specify the code as 20.2.11.