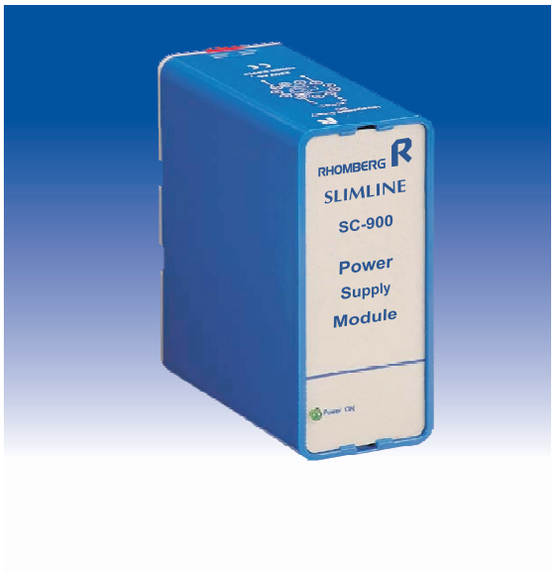
SC-900

Power Supply Module

SLIMLINE
MONITORING RELAYS



ORDERING CODE

TYPE	MODEL	VOLTAGE	OUTPUT	TYPE
SC	900	230V	24	DRG

SEE PAGE 94 FOR ORDERING OPTIONS

Application Examples

- Power supply to sensitive electronic equipment.
- Power supply to counter up to 36V DC.
- Power supply to panel indicators.

Features

- Cost effective power supply.
- A large variety of output supply options (see table below).
- High input voltage ranges (up to 525V AC).
- Ease of installation due to 11-pin plug-in concept.

Description of Operation

The **SC-900** series of power supply modules allow a wide input voltage range for a low voltage output supply. The unit makes a convenient step down voltage supply for switchboards, etc.

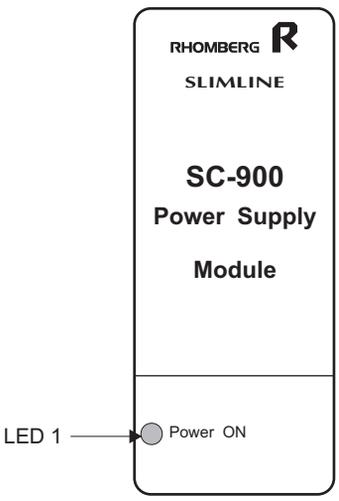
AC Output Supply: This method delivers a low voltage AC supply with the convenience of the 11-pin plug-in concept. The 11-pin plug-in concept allows switchboard manufacturers to pre-wire the board hence reducing lead times.

DC Unregulated Supply: Full wave rectification and smoothing is used to deliver a DC voltage output with a minimal ripple . This supply can be used where a fully regulated supply is not a specific requirement.

DC Regulated Supply: This supply is a fully regulated supply with all the advantages such as:

- Overload protected/ short circuit proof
- Low ripple factor
- Over temperature shut down
- Very stable supply through fluctuations in input supply and temperature changes

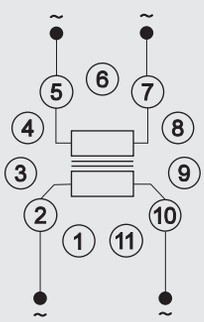
Description of Controls



LED1: The LED marked **"Power ON"** will illuminate when power is applied.

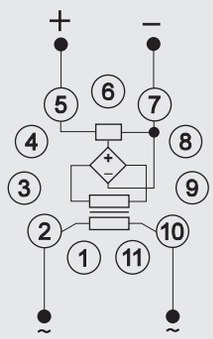
Wiring and Connection

AC
Output Supply



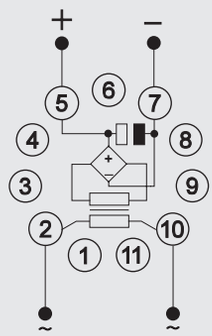
AC
Input Power Supply

DC
Regulated Supply



AC
Input Power Supply

DC
Unregulated Supply



AC
Input Power Supply

Technical Specifications

INPUT SUPPLY VOLTAGE

AC: 12, 24, 110, 230, 400, 415, 525V ±10%
Isolation (input to input): 2kV
Power consumption: 6VA (approx.)

OUTPUT SUPPLY					
Type	**AC**	**DC**		**DCRG**	
Output Voltage	**AC Supply [±10%] Output Current**	**DC Unregulated [±10%]**		**DC Regulated [±1%]**	
		Output Current	**% Ripple**	**Output Current**	**% Ripple**
12	300mA	200mA	<5	150mA	<0,5
24	150mA	120mA	<5	100mA	<0,5
36	100mA	100mA	<5	80mA	<0,5

Additional information in Section J, page 131.