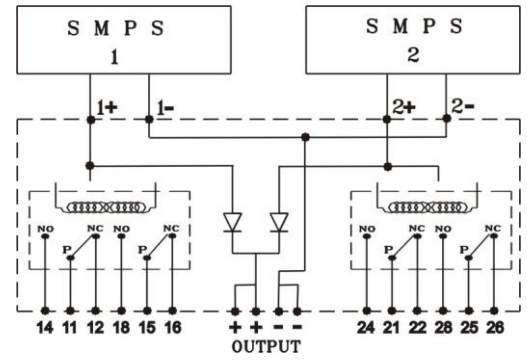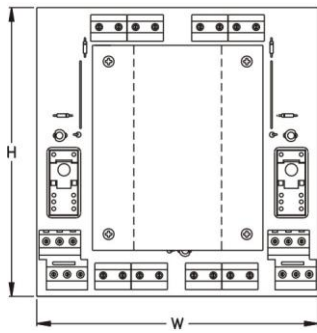# REDUNDANCY / PARALLEL CONNECTION MODULE

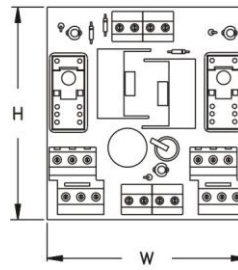

Schematic

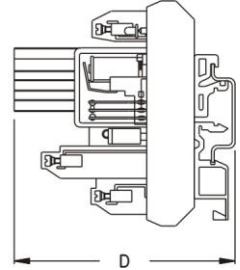| **AS451** | **AS452** |

Dimensions

FEATURES	• Input / Output LED Indication	• 2 C/O Monitor relay across each power supply
OPERATION	REDUNDANT : To achieve 100% redundancy this module accepts power from two power supplies and outputs it through diode. In case of failure of one of the power supply, the power continues to the load through other one. 2 C/O relay connected across each power supply can be used for alarming or tripping.	
	PARALLEL : To achieve parallel operation, this module accepts power from two power supplies & outputs it through diodes. Both the power supplies share equal load within +/-10% tolerance.	
OPERATING AMBIENT	0~55°C, 85% RH	
STORAGE AMBIENT	-20°C to 85°C	
TERMINATIONS	INPUT SIDE	Screw type, for 2.5mm sq. wire
	OUTPUT SIDE	Screw type, for 2.5mm sq. wire
MOUNTING	35 mm DIN rail	

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ORDERING INFORMATION	CURRENT RATING		DESIGN NO.	VOLTAGE	DIMENSIONS W x H x D (mm)	WEIGHT (MAX)
	REDUNDANT	PARALLEL				
	20A	40A	AS451	101 : 12V DC 102 : 24V DC	115 x 115 x 120	600 grams
	10A	20A	AS452	103 : 48V DC 104 : 15V DC	70 x 80 x 80	180 grams

SETTING PROCEDURE	Set O/P of SMPS1 at module terminals to required value. Then set SMPS2 O/P with +/- 50mV difference.
RECOMMENDATIONS	1. Use Both the Power Supplies of same make. 2. Use wires of same length from power supply terminals to module terminals while connecting the power supplies.