

# MODEL SSI-40DC-2:

## DUAL CHANNEL CURRENT-CONTROLLED DC POWER SUPPLY

### Electrical Specifications:

<b>Output Current:</b>	2.4A
<b>Compliance Voltage (@2.4A):</b>	18VDC
<b>Voltage Control:</b>	Two ranges 0-5V and 0-10V (user selectable)
<b>Voltage control input impedance:</b>	20k ohm
<b>Maximum input voltage:</b>	+20V, -10V
<b>Voltage control input cutoff frequency:</b>	5 Hz
<b>Input Voltage:</b>	85 - 264VAC (auto-ranging), 47-63 Hz
<b>Power Consumption:</b>	Less than 100 Watts
<b>Operating Temp. Range:</b>	0 to 40 deg. C
<b>Storage Temp. Range:</b>	-20 to 85 deg. C
<b>Output Protection:</b>	Resettable fuse for short across output terminals (or (+) output to ground)

### Front Panel:

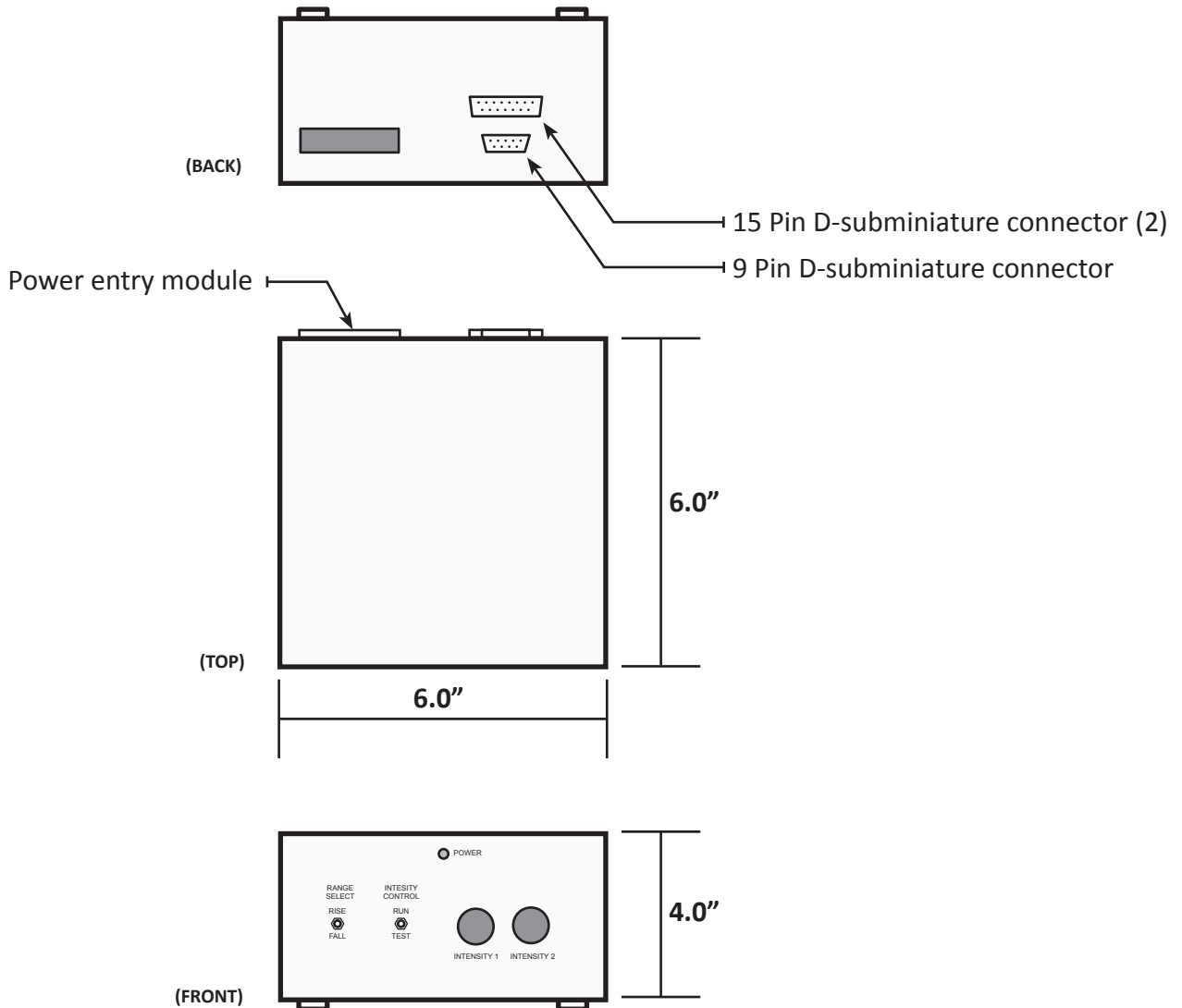
<b>Intensity Knob:</b>	Ten-turn potentiometer for intensity (current) adjustment (one per channel)
<b>Intensity Control Internal / External Switch:</b>	Allows the intensity to be controlled from the front panel knob or from a voltage supplied to I/O connector on the rear panel
<b>Range Select Switch:</b>	Allows the external control voltage range to be set to 0-5V or 0-10V

### Rear Panel:

<b>I/O Connector:</b>	9 Pin D-subminiature used for control voltage input.
<b>Output Connectors:</b>	15 Pin D-subminiature (one per channel)
<b>Fuse:</b>	(2) 5x20 mm, 3A, 250V

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Data and specifications are subject to change without notice.

To request additional information, please contact **Metaphase Technologies, Inc.** at **215-639-8699**.

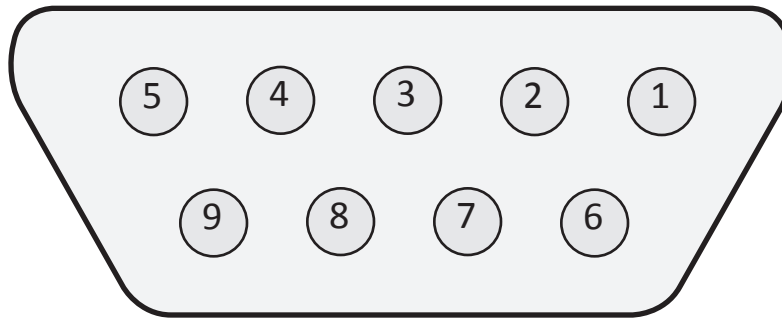
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### STANDARD I/O CONNECTION

#### REAR PANEL EXTERNAL CONTROL CABLE

#### MALE 9 PIN D-SUBMINIATURE CONTROL CONNECTOR



#### PIN OUTPUT TABLE:

PIN #	FUNCTION	
1	ON/OFF: 0V - ON 5V-OFF	ORANGE WIRE
2	ON/OFF: 0V - ON 5V-OFF	ORANGE/BLACK STRIPE WIRE
3		WHITE WIRE
4		WHITE/BLACK STRIPE
5	EXTERNAL INTENSITY CONTROL 1 0-5v OR 0-10V 0V FOR LOWEST INTENSITY	RED WIRE
6	GND	BLACK WIRE
7	GND	GREEN WIRE
8	GND	GREEN/BLACK STRIPE WIRE
9	EXTERNAL INTENSITY CONTROL 2 0-5v OR 0-10V 0V FOR LOWEST INTENSITY	RED/BLACK STRIPE WIRE