

# General Purpose Interface OEM board instructions

technical data sheet

**Power Connection:**

Apply filtered +12 to +15 VDC on the terminal block labeled DC IN.

<b>Power Consumption:</b>		<b>Power Ratings:</b>	
Idle	20mA	Analog/Digital	15mA Protected Output
Analog 1 Active (no load)	30mA	Analog/Digital	(optional) 100mA Unprotected Output
Analog 2 Active (no load)	20mA	Relay	5 Amp
Relay Energized	85mA		
Total Max Current (no load)	285mA		

**Output Connections:**

Analog/Digital #1	Connect wires for the analog output to terminal block TB1 using the COM and CH1 connection. Output is 0 to 10 VDC @ ( ) 15 mA ( ) 100mA. Maximum output voltage can be adjusted using trim pot R8.
	The output will respond to the ( ) first ( ) second ( ) third addressed DMX channel.
Analog/Digital #2	Connect wires for the analog output to terminal block TB1 using the COM and CH2 connection. Output is 0 to 10 VDC @ ( ) 15 mA ( ) 100mA. Maximum output voltage can be adjusted using trim pot R6.
	The output will respond to the ( ) first ( ) second ( ) third addressed DMX channel.
Dry Contact	The relay closure is available on header J2. The Common (Black), Normally Open (N.O., Red), and Normally Closed (N.C., White) connections are present on this 0.156" header. The relay will close when ( ) first ( ) second ( ) third addressed DMX channel goes above 60%. It turns off when the channel goes below 40%.

**DMX input connection:**

Apply DMX512 signals to the connector labeled DMXIN. Pin outs and color codes are as follows:	Pin #	Label	Wire Color
	1	C	Brown
	2	-	Red
	3	+	Orange

**LED indicators:**

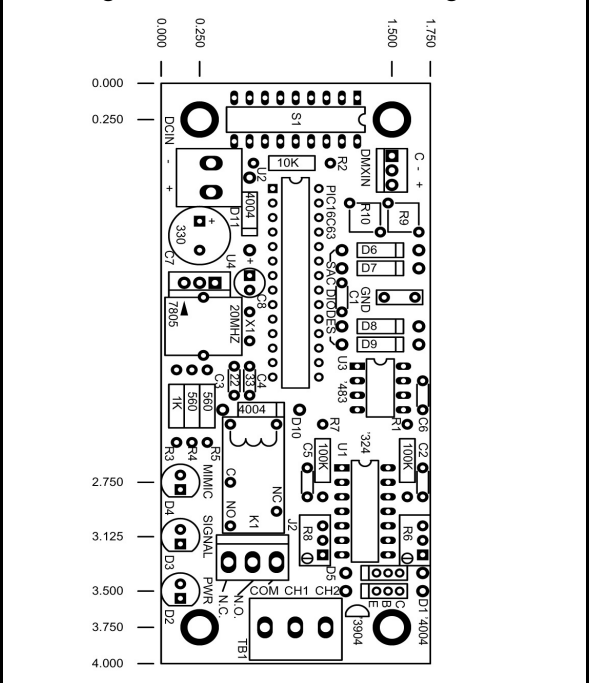
LED Color	Ref Des.	Function
Red	D8	Power
Green	D3	Signal
Amber	D4	Output Level Mimic for Channel 1

**Address settings:**

The DIP switches at the end of the board are used to set the DMX address in binary format. The address is set from the sum of values.  <b>Example:</b> To set the start address to 200 switch ON switches 8, 7, 4. Switches 1,2,3,5,6,9 should be switched OFF	Switch	Value
	1	1
	2	2
	3	4
	4	8
	5	16
	6	32
	7	64
	8	128
9	256	

**Physical:**

4" Length x 1.75" Width x 1" Height



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