



Subsea Dimmer SSD-1000 Product Specifications

1. Power Ratings (at 120vac)

Continuous (all surface work)	500watts/channel	1000 watts total
10 minute overload (in submerged oil filled junction box only)	600watts/channel	1200 watts total
30 minute overload (in submerged oil filled junction box only)	550 watts/channel	1100 watts total

2. Voltage ratings

AC line voltage	Nominal	120Vac	
	Maximum	140vac	
	Minimum	50Vac	
DC power	Nominal	24vdc	
	Maximum	32vdc	
	Minimum	9vdc	
DC level input	Nominal	0 - 10vdc	(note 1)
	Operational	2 - 9 vdc	

3. Current ratings

AC line	Please refer to power ratings above	
DC power	nominal @ 24vdc input	60 ma

4. Pressure ratings

Pressure cycle tested depth	4000M +20% 7100 psi	10 cycles to depth
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5. Protection circuits

AC line	over current	trip at 125 % of full load rating
	Short circuit (turn on/ramp into)	0 ohms short clearing safely
	Short circuit (full load & shorted leads)	> 1.5 ohms short clearing safely (note 2)

Notes:

1. level input protected for voltages above 10vdc, circuit will shut down. Lower level to regain lighting.
2. Tested value + 50%. Sea water flooded connector with 5mm pin spacing, and assume 10mm of conductive area using 1/4.8sM = 100 ohms will trip on fault safely with a significant safety margin.