

DC Dimmer Switches are Here

“Power is Good”

Finally, a dimmer switch that is at once silent, stable, reliable and cool to the touch.

Eliminate problems with ac dimmers and add exquisite control to your lights - remotely!

Set the mood with a single button and combine timers & alarms to simulate occupancy when you're away.

Multiple remote hand-held controls and a wall-switch never leaves you fumbling for the lights. Runs on ship's battery for simplicity and reliability.

Maridyne is Quality

Maridyne Power Controls LLC

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www.dcdimmer.com

TPC001 Marine Dimmer Switch

Maridyne Power Controls

<http://www.maridyne.com>

The TPC0001 Marine Dimmer Switch is an easy-to-install and easy-to-use four-channel power converter suitable for any application where stable operation, high reliability and safety are important. Unlike conventional dimmer switches, the TPC0001 is silent, outputs the full range from zero to 100%, and is unaffected by other equipment or dimmer switches nearby; the TPC0001 will not interact with other units wired to the same circuit, nor will it interfere with communications or navigation equipment.

A full-featured power converter, this device offers internal current limiting and thermal protection. The TPC0001 is designed to provide controlled illumination in independently powered installations where conventional dimmer switches fail to remain stable. This power converter also offers the added feature of remote control from any standard RS232 source, making it extremely versatile.

Included in every delivery is a best-in-class back-lit color touchscreen remote control with dedicated application software specifically written for ease of use. Descriptive names like "wet bar" and "overhead" can be entered for each zone, making the interface intuitive and easy to use. If the room is dark, picking up the remote will automatically ignite its back-lit display. In addition to the functionalities normally associated with a dimmer switch, this device offers programmability, one touch mood setting, and report-back information on the converters internal condition. The internal condition, settings and actual values can be reported back to a host CPU for tabulation of overall vessel power usage and lighting conditions, allowing the captain to know the device's condition and what it is doing at any time.

- Output range from 0-25V preserves Bulb Life
- Advanced switch-mode design
- Short circuit / Overload protection
- Over-temperature protection
- Remote also used for any AV equipment in the room.
- Full range programmable output (0 to 100%)
- Simple no-tools installation
- Optional report-back of:
 - Chassis temperature
 - Input and output voltage and current settings
 - Actual input and output voltages and currents
 - Date of manufacture and the unit Serial Number
- Brushless DC cooling fan
- Any number of units are controlled by one remote.
- Motion sensor input allows for external trigger of programmed events.

The motion sensor input allows for the most conservative usage of battery power by turning up some lights only when needed in the room or crawl space. Lights come up gradually and automatically.

Halogen bulbs are very sensitive to being overdriven. If the voltage is just two volts too high, the filaments get too hot and burn out within a few months. The regulated output of the TPC0001 never takes the bulb past its rated temperature and voltage. Once again bulbs last their rated lifetimes.

Solid Aluminum Chassis is virtually indestructible. 5052 Alloy is corrosion resistant in marine environments. 40 Amp gold plated pins insure a low impedance connection. Simple D-sub connection for wall switch plate. Brushless DC fan included for longevity.



Simplicity is expressed as accessibility: Customer accessible chassis and customer upgradeable PCB assemblies, upgradeable firmware (via D-sub connector), and no-tools installation make this a choice you can live with.

2000 watts under the lid and wireless expandability makes for enough horsepower in a single chassis to handle an entire salon, or expand to cover the whole vessel.

Ordering Information

Call Factory for lead times: (800)618-3467
if outside the US, call: (209)724-0840

Part Number Pattern: XXXX mm/dd/yyyy BCD

XXXX	=	Serial Number
mm/dd/yyyy	=	Date Built
B	=	Temperature Range
	C	= 0°C to +70°C
	I	= -25°C to +85°C
	M	= -55°C to +105°C
C	=	Chassis Option
	H	= Hard Aluminum Chassis
	S	= Sheet-metal Chassis
D	=	Data Read-back Option
	D	= Data read-back option
	M	= No read-back option