

# PANELTRONICS®

INCORPORATED

## Product Data Sheet

## Load Shedding System - **NEW**

### Part Number: 861-001

#### Marine 120 VAC 30/50 Amp Power Management System

#### Eliminates Nuisance Tripping of Shore Main, Generator Main, and Branch Circuit Breakers by Momentarily Shedding and Restoring Loads

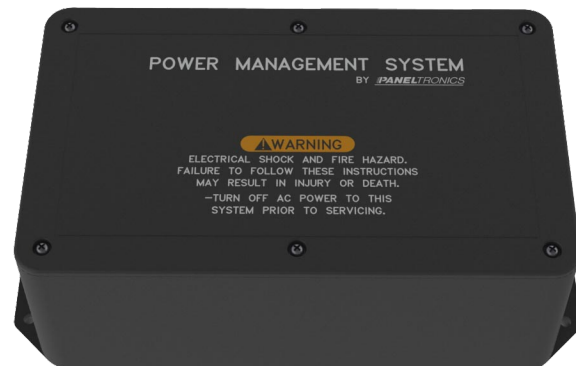
- Designed for use with Marine Electrical Systems with Single 120 VAC 30 Amp or 50 Amp Shore Cord and Single 120 VAC Generators Rated From 4KW to 9KW
- Automatically Sheds up to 3 Loads to Limit Total Current Draw to 30 Amps from 120V 30 Amp Shore cords; 50 Amps from 120V 50 Amp Shore cords; and 30 to 75 Amps (field adjustable) from Generators
- Automatically Restores Power to Shed Loads When Total Load Current Drops Below 30 Amps for 120V 30 Amp shore cords; 50 Amps for 120V 50 Amp Shore cords; or 30 to 75 Amps (field adjustable) for Generators
- Simple Two Component Power Management System (Control Module and Display Panel) is easily Integrated into New or Existing Marine Electrical Power Distribution Systems
- Control Module - mounts inside or in close proximity to the Vessel's AC Main Distribution Panel (MDP)
- Display Panel - surface mounted, and can be located up to 100 Feet from the Control Module

#### Specifications:

Input Voltage (Supply)	9 - 16 VDC	3 Load LEDs	Indicate Load Status
Power Consumption	4 Watts AC 5 Watts DC	2 Digit LED Digital Display	Indicates Total Line Current & Last Load Shed Current
Input Voltage (Control)	110 - 130 VAC 60Hz (Not recommended for use with Inverters)	2 Source LEDs	Indicate Shore or Generator Power
Number of Load Shed Circuits	3	2 Current Transformers	Monitor Shore or Generator Line Current
120V 30 Amp Shore Main		Operating Temperature	13°F (-25°C) to 122°F (50°C)
Load Shed Threshold	31 Amps (25 ms Max)	<b>Dimensions</b>	
120V 50 Amp Shore Main		Display Panel	4.9" L X 2.6" H X 0.9" D 124.46mm L X 66.04mm H X 22.86mm D
Load Shed Threshold	51 Amps (25 ms Max)	Control Module	9.4" L X 5.2" H X 3.2" D 238.76mm L X 132.09mm H X 81.28mm D
Generator Main Load Shed Threshold	Field Adjustable 30 to 75 Amps (25 ms Max)	Current Transformers	0.85" ID and 1.37" OD 21.59mm ID and 34.80mm OD
Maximum Load Current per Circuit	30.0 Amps (Resistive) 10.8 Amps (Inductive)		
Maximum Air Conditioner Load	12K BTU per Circuit		
Load Reset Time After Load Shed Event	10 Seconds 2 Minutes (Air Conditioners)		



P/N: 861-002

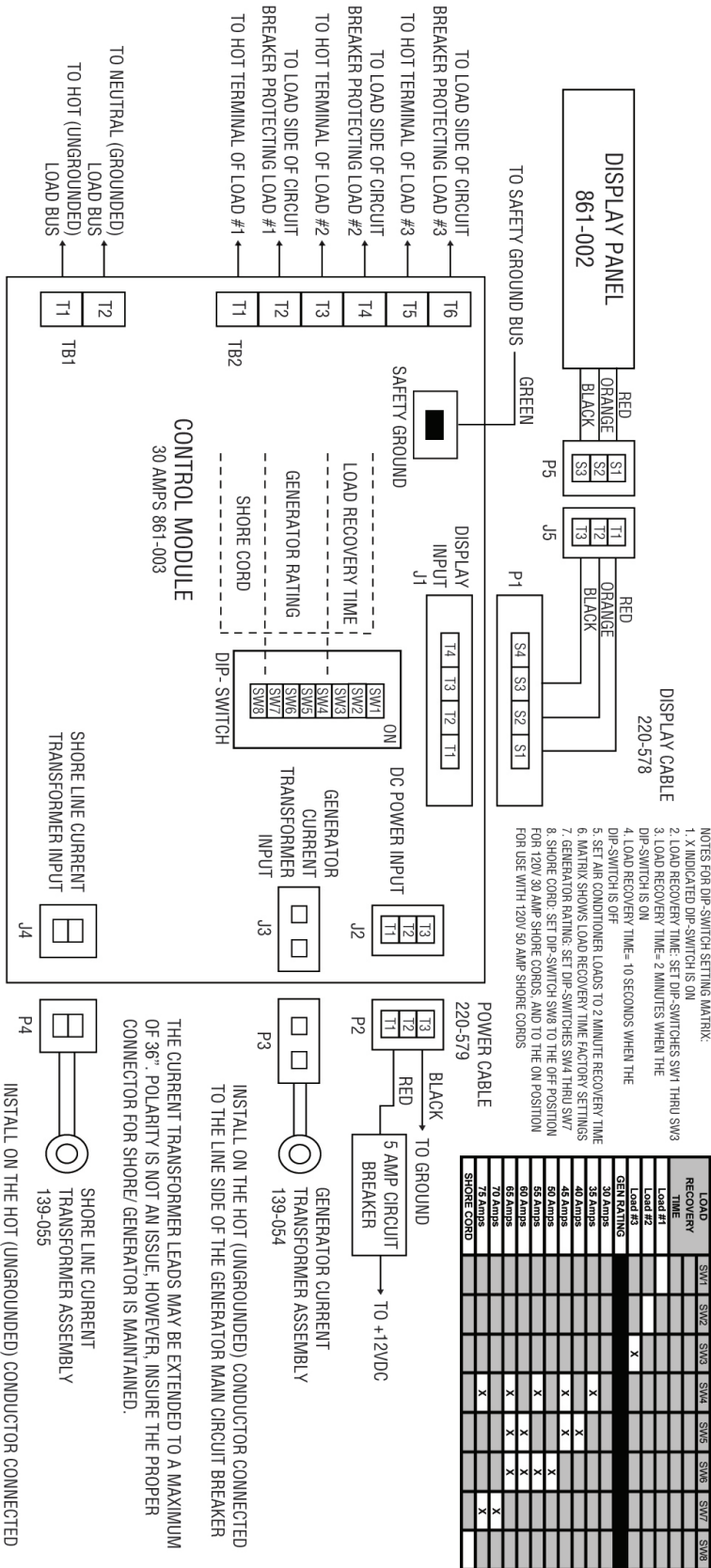


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[www.paneltronics.com](http://www.paneltronics.com)

11960 NW 87th Court, Hialeah Gardens, FL 33018

Toll Free 800-367-2635 Phone: 305-823-9777 Email: [sales@paneltronics.com](mailto:sales@paneltronics.com)



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