

# OWNERS MANUAL



Transformer Based AC Power Filter

# POWER<sub>X</sub>

JUICEGOOSE<sup>TM</sup>

## RX SERIES TRANSFORMER BASED FILTERS

RX15-PWG

RX15-DPC

RX10-SCS

7320 Ashcroft, Suite 104  
Houston, Texas 77081  
Phone: 713.772.1404  
Fax: 713.772.7360  
email: [info@juicegoose.com](mailto:info@juicegoose.com)  
[www.juicegoose.com](http://www.juicegoose.com)

The Juice Goose RX Series products are AC power conditioners that protect against AC line surges and line noise. These devices use the advanced, patented PowerX Transformer Based Filter™ technology which protects against high voltage electric power surges and filters out disruptive, high frequency line noise on the hot, neutral and ground power leads.

### **SAFETY PRECAUTIONS**

RX Series products are designed to operate on 120 volts, 60 hertz. Operation with higher voltage is hazardous and can cause the RX unit to shut off automatically to protect connected equipment.

**CAUTION #1:** RX Series devices will only operate with a grounded power connection and, therefore, must be grounded. If a power extension cord is required, use a properly insulated and grounded cord. Only plug the unit into a three pronged grounded outlet. This unit is not to be used with any type of ground “lift” or pin eliminator.

**CAUTION #2:** Take care in handling the RX Series products. Avoid dropping the unit. Do not expose any of the RX products to moisture or salty air. Doing so could cause significant damage and create an unsafe condition.

**CAUTION #3:** Do not tamper with, modify or open the RX Series unit. There are no serviceable parts inside. Doing any of the above will void your warranty.

### **DISCLAIMER**

Juice Goose shall under no circumstances be held responsible for any losses, damage, or injury resulting directly or indirectly from the use of a RX Series device in a manner contrary with accepted safe operating methods or any instructions contained in this document. The user should determine prior to use whether this product is adequate, suitable or safe for the application intended. Since individual applications can be subject to extreme variation Juice Goose makes no representation or guarantee as to the suitability of a RX product for any generally described application.

### **RX15-PWG**

#### **INSTALLATION TO A DUPLEX WALL RECEPTACLE**

Use only with a grounded, three wire, duplex receptacle having a center screw. To reduce the risk of shock, use the circuit breaker to disconnect power to the duplex wall receptacle before installing or removing the

unit. Remove the duplex wall receptacle cover screw. Take care as the receptacle cover may fall or receptacle may become dislodged.

With the duplex wall receptacle cover in place, plug the RX15-PWG into the bottom receptacle of the duplex. A longer mounting screw is provided with the RX15-PWG. Insert the screw provided through the hole in the metal tab on top of the RX15-PWG. Secure cover and RX15-PWG unit in place with this screw. Plug equipment into the RX15-PWG and return the circuit breaker to the “On” position.

### **RX15-DPC INSTALLATION**

Be sure power switches for any electronic equipment intended to be protected with the RX15-DPC are in the “Off” position. Plug this equipment into the DPC unit. Plug the DPC into a grounded wall outlet.

The DPC features a lighted power switch, two receptacles spaced to accommodate low voltage AC adapters (“wall warts”), an unswitched AC receptacle and two receptacles which will accommodate RJ11, RJ12 or RJ45 connectors to allow protection of telephone, modem or data network lines.

### **RX10-SCS INSTALLATION TO A POWER CORD AND DUPLEX WALL RECEPTACLE**

The RX10-SCS is designed as an “extension cord” to be attached to the end of a factory assembled power inlet cord. The SCS ends are fit with a NEMA 5/15P plug (male) and a NEMA 5/15R receptacle (female). Turn off and un-plug any electronic equipment intended to be protected with the RX10-SCS. Plug the power cord of that equipment into SCS unit. Plug the SCS into a grounded wall outlet.

### **FUNCTIONING OF THE RX SERIES PRODUCTS**

There are two small lights on the face of the RX SERIES housing. The GREEN light confirms the wall receptacle is properly wired and connected equipment is fully protected. The RED light indicates hot and neutral are reversed or there is no ground connection. IMPORTANT: If the RED light comes on, contact your electrician to inspect and correct the outlet wiring in order to receive the maximum protection for your electronic equipment.

Should the RX Series product be exposed to high voltage for a prolonged period, as might result from a wiring or utility fault, the Over Voltage Shutdown feature of the RX Series will terminate power to the connected equipment until voltage returns to the proper level.

## RX SERIES PERFORMANCE SPECIFICATIONS

DIMENSIONS (in) / WEIGHT (lbs)	
RX15-PWG	4 x 6 x 1.5 / 3
RX15-DPC	13.5 x 4.5 x 2 / 4.5
CURRENT RATING (AMPS)	
RX15-PWG & RX15-DPC	15
RX10-SCS	10
RECEPTACLES AND PLUGS	NEMA 5/15
TRANSIENT ENERGY ABSORPTION (JOULES)	1020
MAXIMUM APPLIED SURGE CURRENT (AMPS)	3000
MAXIMUM APPLIED SURGE PULSE VOLTAGE (VOLTS)	6000
SURGE LET THROUGH RATE (VOLTS)	
L-N	10
N-G	0.5
<b>COMMON MODE (N - G) LINE NOISE REDUCTION (dB)</b>	
100kHz	30
300kHz	77
1 MHz	80
10MHz	80
30MHz	80
<b>NORMAL MODE (L-N) LINE NOISE REDUCTION (dB)</b>	
100kHz	21
300kHz	56
1 MHz	60
10MHz	60
30MHz	60