

## ACCESSORIES

**INTERFACE CABLE:** 10ft (3.05M), 25' (7.62m), LONGER BY SPECIAL ORDER.

**COMPATIBLE DIMMERS:** MAGIC GADGETS 2K, 6K, 12K, AND 24K PRO DIMMERS, DC DIMMER, QUICK DIMMER, TRIPLE QUICK DIMMER.

**SHIPPING CASE:** PELICAN 1150 HARD CASE HAS CUBED FOAM FOR EASY FITTING.

**CONNECTOR GUARD:** AN AC INPUT CONNECTOR GUARD, FOR EXTREME APPLICATIONS, STOPS GROUND PIN BREAKAGE.

## REPLACEMENT PARTS:

AC PLUG #1602NP  
AC SOCKET #1603NS  
BLF FUSE HOLDER #571007  
150V MAIN FUSE #BLF20F  
250V MAIN FUSE #BLF10F  
150V TRIGGER FUSE #AGC6F  
250V TRIGGER FUSE #AGC3F  
POWER BLOCK #Q4040P  
AC CONNECTOR GUARD #3001CG

## WARRANTY STATEMENT

OUR PRODUCTS ARE WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF DELIVERY, TO THE ORIGINAL PURCHASER OR LESSEE, TO BE FREE FROM DEFECTS IN MATERIALS OR WORKMANSHIP. \*WE WILL, AT OUR OPTION, EXTEND THIS WARRANTY BEYOND ONE YEAR. THE WARRANTY TERMS STATED HERE MUST BE KEPT TO VALIDATE THIS EXTENSION.

THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY WARRANTY CONCERNING THE PRODUCTS SHALL BE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AT NO CHARGE TO THE ORIGINAL PURCHASER OR LESSEE, AT THE DISCRETION OF WILLIAM A MCINTIRE ENTERPRISES.

THESE PRODUCTS ARE DESIGNED AND INTENDED FOR USE BY COMPETENT PROFESSIONALS ONLY. THE INDIVIDUAL USER SHOULD DETERMINE BEFORE USE WHETHER THESE DEVICES ARE SUITABLE, ADEQUATE, OR SAFE FOR THE USE INTENDED. BECAUSE INDIVIDUAL APPLICATIONS ARE SUBJECT TO GREAT VARIATION, THE MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY AS TO THE SUITABILITY OR FITNESS OF THESE DEVICES FOR ANY SPECIFIC APPLICATION. DIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSSES RESULTING FROM THE USE, OR MISUSE, OF THESE DEVICES SHALL BE THE SOLE RESPONSIBILITY OF THE PURCHASER OR LESSEE.

(SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.)

SUBJECTING THE UNITS TO EXCESSIVELY ROUGH HANDLING, MOISTURE, HIGH VOLTAGES, OVERLOADING THE OUTPUT, OPERATING THE UNIT WITHOUT PROPER VENTILATION, IMPROPER PACKAGING FOR SHIPPING, DAMAGE INCURRED DURING SHIPPING, ANY IMPROPER OR NEGLIGENT USE, OR ANY ATTEMPT TO OPEN, REPAIR OR MODIFY THE UNIT, OR REMOVAL OR OBSCURING OF THE SERIAL NUMBER LABEL WILL VOID THE WARRANTY. WARRANTY MAY BE LIMITED TO ORIGINAL PURCHASER AS SHOWN ON ORIGINAL INVOICE.

## TOYS OR TOOLS?

BOTH... TOYS WHEN ONE IS EXPLORING THEIR MANY APPLICATIONS. TOOLS WHEN THOSE APPLICATIONS SOLVE PROBLEMS ON THE JOB. PLEASE VISIT [WWW.MAGICGADGETS.COM](http://WWW.MAGICGADGETS.COM) FOR UP TO DATE INFORMATION INCLUDING OPERATING INSTRUCTIONS, RESELLER AND RENTAL LOCATIONS, PRICES, AND MORE TOYS!

TRY THESE IN YOUR TOOL BOX  
THEY WORK WITH PRACTICAL SWX...

PRO AND PRO PLUS DIMMER\*: A SINGLE CHANNEL PRECISION AC INLINE DIMMER WITH SWITCHING INTERFACE OR OPTIONAL ANALOG INTERFACE.

2K QUICK DIMMERS: SINGLE CHANNEL AND 3 CHANNEL PRECISION DIMMING DEVICES HAVE SWITCHING INTERFACE CONNECTION(S).

2K FLICKER/DIMMER\*\*: A 2,000 WATT SINGLE CHANNEL RANDOM FLICKER EFFECTS UNIT (OR DIMMER) WITH HIGH & LOW DIMMER PRESETS.

\* AVAILABLE IN 2K, 6K, 12K, AND 24K MODELS

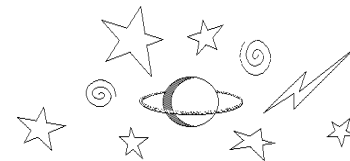
## INSTRUCTIONS and SPECIFICATIONS

for

## PRACTICAL SWX 2

LOAD SENSING  
LIGHTING F/X  
SWITCHING DEVICE  
WITH REVERSING  
INTERFACE CONNECTORS

ALSO WORKS WITH  
MAGIC GADGETS DIMMERS



# Magic Gadgets

a service of McIntire Enterprises  
12986 MAPLELEAF CT NE, AURORA, OR  
97002 USA TEL. 503 678 6236

[WWW.MAGICGADGETS.COM](http://WWW.MAGICGADGETS.COM)

THE ONE WITH THE BEST  
MOST TOYS WINS!

## SAFETY

**GENERAL SAFETY:** DO NOT USE WHEN WET. DO NOT USE IN EXPLOSIVE ENVIRONMENT. FOR PROPER INDICATOR OPERATION, USE GROUNDED POWER SOURCE. PROVIDE ADEQUATE VENTILATION AND MAINS CIRCUIT BREAKER. **ELECTRONIC POWER SWITCHING IS USED BY THIS DEVICE. DISCONNECT FROM POWER BEFORE MAKING CONNECTIONS OR HANDLING CONNECTED EQUIPMENT AS OUTPUT MAY STILL BE ENERGIZED EVEN WHEN THE UNIT APPEARS TO BE OFF! DO NOT USE WITHOUT GROUND CONNECTED. DO NOT MAKE OR BREAK CONNECTION WITH THE UNIT ON.**

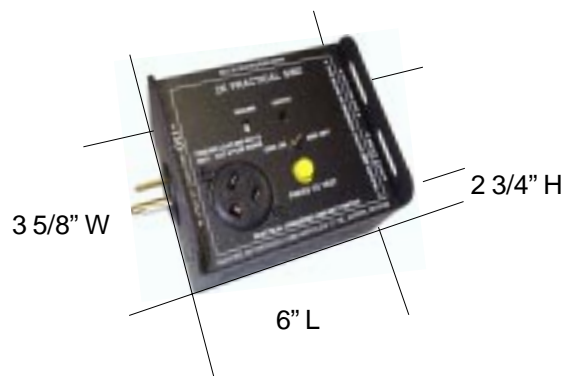
**GROUND INDICATOR:** THIS UNIT HAS A GROUND/VOLTAGE INDICATOR LIGHT WHICH FLASHES ONLY WHEN A GROUND IS DETECTED, HOWEVER, **THE INTERFACE CONNECTION CAN CAUSE A FALSE GROUND INDICATION. ALSO, EVEN WHEN THE GROUND INDICATOR IS WORKING IT MAY NOT INDICATE A HIGH CURRENT GROUND WHICH IS NECESSARY FOR SAFE GROUNDING. THE INDICATOR IS PROVIDED AS A CONVENIENCE RATHER THAN AN ABSOLUTE INDICATOR OF A SAFE GROUNDED CONDITION.**

**VOLTAGE INDICATOR:** THE GROUND/VOLTAGE INDICATOR LIGHT SHOWS CORRECT APPROXIMATE SOURCE VOLTAGE WITH A ONE FLASH PER SECOND RATE. A HIGHER VOLTAGE WILL CAUSE A FASTER FLASH AND LOWER VOLTAGE A SLOWER FLASH. IT ALSO INDICATES CORRECT INPUT POLARITY EXISTS BETWEEN THE "HOT" CONDUCTOR OF THE AC INPUT CONNECTOR AND THE EARTH/GROUND CONDUCTOR. NO INDICATION SHOWS POSSIBLE HOT/NEUTRAL REVERSAL **ON 150 VOLT UNITS ONLY.**

## SPECIFICATIONS

**PHYSICAL:** SIZE 3.62" (92mm) WIDE, 6.0" (152mm) LONG, 2.75" (70mm) HIGH (APPX.).

WEIGHT 1.4 lb (0.6kg), 2 lb (0.91kg) READY TO SHIP, 3.4 lb (1.57kg) IN 1150 PELICAN HARD CASE.



**ELECTRICAL:** POWER SOURCE: US & CANADA 150 VOLTS MAXIMUM (EUROPE 250 VOLTS MAXIMUM), AC ONLY. **COMBINED MAIN LOAD AND TRIGGER LOAD MUST NOT EXCEED 2,000 WATTS MAXIMUM.** USE ONLY TYPE BLF 20 AMP FAST BLOW FUSE (250 VOLT UNITS USE BLF 10). *LOCATED IN THE HOLDER NEAR THE OUTPUT CONNECTOR.* THE TRIGGER LOAD IS PROTECTED BY A 6 AMP AGC FAST BLOW FUSE (250 VOLT UNITS USE AGC 3) *LOCATED ABOVE THE TRIGGER LOAD CONNECTOR.*

INTERFACE OUTPUT: 0.125" (3.5 mm), 2 CONDUCTOR PHONE PLUG. 10 VOLTS DC NOMINAL, 15 VOLTS MAXIMUM, 50 MILLIAMPS PEAK. TIP NEGATIVE, SLEEVE POSITIVE. SLEEVE COMMON WITH AC INPUT GROUND.

**TECHNICAL:** THE LOAD IS SENSED BY A SOLID-STATE DEVICE THAT "STEALS" A SMALL AMOUNT OF VOLTAGE FROM THE TRIGGER LOAD FOR THE SENSING CIRCUIT.

THE TEST BUTTON WILL VERIFY BOTH THE...

...LAMP LOAD AND THE INTERFACE CONNECTION IN EITHER SWX ON OR SWX OFF MODE.

## OPERATION

PROVIDE ADEQUATE VENTILATION AND MAINS BREAKER.

WHEN THE **MODE** SWITCH IS IN THE SWX ON POSITION THE MAIN LAMP LOAD AND *ONE OF THE INTERFACE OUTPUTS* WILL NORMALLY BE OFF AND WILL SWITCH ON WHEN A LOAD IS SENSED BY THE TRIGGER LOAD CONNECTION. **WARNING: CONNECT LAMPS ONLY WHEN IN SWX ON MODE!** WHEN THE **MODE** SWITCH IS IN THE SWX OFF POSITION THE MAIN LAMP LOAD WILL NORMALLY BE ON AND WILL SWITCH OFF. THE 2 INTERFACE CONNECTORS WILL ALWAYS BE IN OPPOSITE STATES ALLOWING LIGHTING REVERSAL FOR INTERFACE CONNECTED DIMMERS AS SHOWN IN THE ILLUSTRATION AT RIGHT.

RED LAMP INDICATES ACTIVE OUTPUT BUT WILL LIGHT REGARDLESS OF DIAL SETTING IF LOAD IS DISCONNECTED OR IF LOAD POWER SWITCH IS OFF. GREEN LAMP FLASHES AT 1 HZ IF UNIT IS GROUNDED (NO INTERFACE CONNECTED) & VOLTAGE IS 120.

## TRICKS

AN ACTOR CAN SWITCH ON OR OFF STUDIO LIGHTS BY TURNING ON OR OFF A BEDSIDE LAMP. USING THE SWX OFF MODE AN ACTOR CAN TURN OFF THE ROOM LIGHTING AND, AT THE SAME TIME, TURN ON THE MOONLIGHT LIGHTING AUTOMATICALLY AND EXACTLY IN SYNC WITH THE ACTION EVERY TIME.

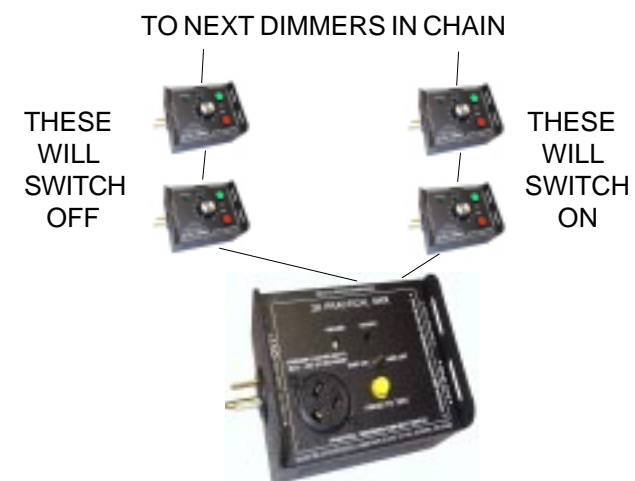
THE REVERSING INTERFACE CONNECTIONS CAN BE USED IN MANY FLEXIBLE CONFIGURATIONS.

MANY APPLIANCES OTHER THAN LAMPS CAN BE USED TO ACTIVATE THE TRIGGER LOAD CONNECTION.

NOTE: SOME APPLIANCES WITH TRANSFORMER SUPPLIED POWER MAY EXPERIENCE EXCESSIVE HEATING IF CONNECTED FOR EXTENDED PERIODS. IT IS RECOMMENDED TO TEST AN APPLICATION BEFORE ANY CRITICAL REQUIREMENT.

## THE INTERFACE

THE INTERFACE ENABLES THE RESIDENT DIMMER CONTROL IN OUR 2K, 6K, AND 12K PRO DIMMERS. BY PRESETTING THE DIMMER THEN APPLYING THE INTERFACE CONTROL VOLTAGE THE DIMMER TURNS ON TO THE LEVEL THAT WAS PREVIOUSLY SET. THE INTERFACE OUTPUT ON PRACTICAL SWX FOLLOWS ON AND OFF AT THE SAME TIME AS THE LAMP. THAT OUTPUT CAN CONTROL ONE DIMMER OR SEVERAL BY USING THE INPUT LOOP ON THE DIMMER. BY CONNECTING ONE INTERFACE LOOP TO THE NEXT, MANY DIMMERS CAN BE ENABLED BY THE SAME OUTPUT. **ONE OF THE INTERFACE CONNECTORS TURNS ON WHEN THE OTHER TURNS OFF AS DETERMINED BY THE MODE SELECTED.**



**CAUTION:** CONNECT INTERFACE OUTPUT ONLY TO MAGIC GADGETS DEVICES WITH AN INTERFACE INPUT. CONNECTING OTHER LOAD DEVICES TO THE OUTPUTS CAN DAMAGE THE UNITS CONNECTED.