

## ACCESSORIES

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

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

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

**TRUSS OR GRID MOUNTING:** BRACKETS FOR STANDARD GRID OR TRUSS PIPE ARE AVAILABLE.

**CONFIGURABLE:** MANY AVAILABLE CONFIGURATIONS OF THIS PRODUCT INCLUDE (AS SHOWN) 120 VOLT STANDARD PLUGGED, MACHINE CABLE (PIGTAILS) AND OTHER, BASIC CIRCUIT BOARD LEVEL AND MULTIPLE PHOENIX PLUGGED CIRCUIT BOARDS IN UL ELECTRICAL BOX FOR IN WALL MOUNTING OF MULTICHANNEL FIRELIGHT. AVAILABLE IN VOLTAGES FROM 12VAC TO 250VAC AND LOADS UP TO 24,000 WATTS. TO DATE WE HAVE PROVIDED AS MANY AS 16 CHANNELS IN A CONDUIT ENCLOSURE WITH DIN TERMINAL BLOCK WIRING.

**A VERSION WITH KNOB ADJUSTMENTS IS ALSO AVAILABLE.**

## REPLACEMENT PARTS:

AC PLUG #1602NP  
AC SOCKET #1603NS  
FUSE HOLDER #571007  
FUSE #BLF20F  
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

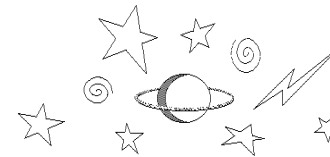
**PRO AND PRO PLUS DIMMER\*:** A SINGLE CHANNEL PRECISION AC INLINE DIMMER WITH SWITCHING INTERFACE OR OPTIONAL ANALOG INTERFACE.

**SHADOWMAKER:** A 3 CHANNEL, 2,000 WATT PER CHANNEL, LIGHTING EFFECTS UNIT WITH HIGH AND LOW DIMMER PRESETS AND 16 EFFECTS. CONTAINS 3 SWITCHING INTERFACE OUTPUTS.

**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

\*\* DOES NOT HAVE AN INTERFACE OUTPUT..



## Magic Gadgets

a service of McIntire Enterprises  
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## INSTRUCTIONS & SPECIFICATIONS

for

# ARCHITECTURAL FIRELIGHT GENERATOR

ALSO AVAILABLE WITH  
INSET ADJUSTMENTS FOR  
PERMANENT INSTALLATION

*CONFIGURED WITH EDISON  
CONNECTORS, PIGTAILS,  
CONDUIT FITTINGS OR PCB'S  
IN CUSTOM ENCLOSURE.*

*THE ONE WITH THE  
BEST  
MOST TOYS WINS!*

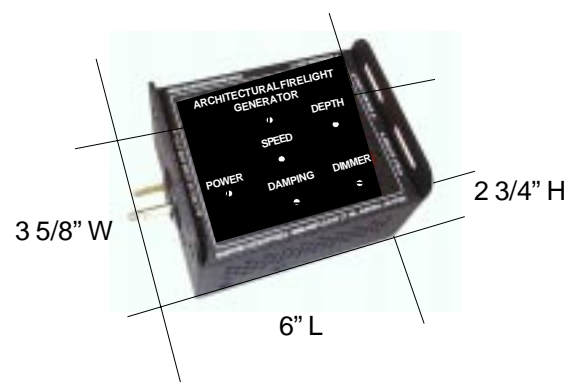
# SAFETY

**GENERAL SAFETY:** DO NOT USE WHEN WET. DO NOT USE IN EXPLOSIVE ENVIRONMENT. USE GROUNDED POWER SOURCE. PROVIDE ADEQUATE VENTILATION AND MAINS CIRCUIT BREAKER. DO NOT BLOCK VENTILATING HOLES. **ELECTRONIC POWER SWITCHING MAY BE 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 LOAD CONNECTION WITH POWER CONNECTED.**

# SPECIFICATIONS

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

WEIGHT 1.2 lb (0.54kg), 1.5 lb (0.68kg) READY TO SHIP, 3.2lb (1.48kg) IN 1150 PELICAN HARD CASE.



**ELECTRICAL:** POWER SOURCE: US & CANADA 150 VOLTS MAXIMUM (EUROPE 250 VOLTS MAXIMUM), AC ONLY. 2,000 WATTS MAXIMUM. USE ONLY TYPE BLF 20 AMP FAST BLOW FUSE (250 VOLT UNITS USE BLF 10).

*FUSE IS LOCATED IN THE HOLDER NEAR THE OUTPUT CONNECTOR. REMOTE INPUT: 0.125" (3.5mm), 2 CONDUCTOR PHONE PLUG. 10 VOLTS DC NOMINAL, 15 VOLTS MAXIMUM. TIP NEGATIVE, SLEEVE POSITIVE. SLEEVE COMMON WITH AC CONNECTOR GROUND PIN.*

**TECHNICAL: THERE IS NO POWER SWITCH. APPLY LOAD BEFORE POWER!**

BY CONTROLLING THE SPEED, DEPTH, AND DAMPING OF A LAMP'S FLICKER, ANY KIND OF FIRELIGHT CAN BE CREATED. A SMALL FIRE OR CANDLE WILL FLICKER FASTER (SPEED), WILL BE MORE DYNAMIC (DEPTH), AND WILL HAVE LESS JITTER (DAMPING). A LARGE FIRE WILL FLICKER SLOWER, WILL HAVE LESS DEPTH, AND WILL REQUIRE MORE DAMPING. OF COURSE THE ENVIRONMENT FOR THE PARTICULAR FIRELIGHT WILL DICTATE MORE OF THESE PARAMETERS IN DETAIL.

THE FOLLOWING DIAGRAM ILLUSTRATES THE LIGHT TRANSITIONS WITH THE DAMPING CONTROL TURNED FULLY COUNTERCLOCKWISE (CCW) FOR MINIMUM DAMPING.



THIS NEXT DIAGRAM ILLUSTRATES THE LIGHT TRANSITIONS WITH THE DAMPING CONTROL TURNED FULLY CLOCKWISE (CW) FOR MAXIMUM DAMPING.



IT IS APPARENT THAT THE HARD TRANSITIONS ARE SOFTENED BY THIS CONTROL. BY OBSERVING THE LIGHT OUTPUT AND USING THAT OBSERVATION TO SET THE CONTROL, A SMOOTH YET DYNAMIC LAMP "PERSONALITY" CAN BE MADE TO ACCURATELY MIRROR THE NATURAL EBB AND FLOW OF REAL FIRELIGHT.

# OPERATION

**!CAUTION!** **CONNECT THE LAMP LOAD BEFORE POWER IS APPLIED! DO NOT ADJUST THE CONTROLS HARD TO THEIR LIMIT STOPS OR THEY MIGHT BE DAMAGED. USE TWO FINGERS AND MAKE ADJUSTMENTS SLOWLY TO AVOID EXCESSIVE TORQUE.** A SMALL SCREWDRIVER SIMILAR TO XCELITE #R322V ("GREENIE") IS RECOMMENDED.

**INITIAL SET UP:** TURN THE DIMMER CONTROL ALL THE WAY CW, SPEED CONTROL TO MIDDLE, AND DEPTH AND DAMPING CONTROLS CCW. APPLY POWER TO THE UNIT. THE GREEN POWER INDICATOR LAMP SHOULD LIGHT STEADY AND THE RED SPEED INDICATOR SHOULD SHOW A RANDOM BLINK. IF THE RED INDICATOR DOES NOT BLINK DISCONNECT POWER WAIT 10 SECONDS THEN RECONNECT.

**INITIAL ADJUSTMENT:** *THE FOLLOWING ADJUSTMENTS ARE INTERACTIVE, I.E. ADJUSTING ONE MAY REQUIRE READJUSTING ANOTHER.*

ADJUST THE SPEED CONTROL UNTIL THE SPEED INDICATOR BLINKS APPX. ONCE PER SECOND.

TURN THE DIMMER CONTROL CCW UNTIL THE LAMP JUST STARTS TO DIM. TURN THE DEPTH CONTROL CW UNTIL THE LAMP BECOMES FAIRLY ACTIVE.

ADJUST THE DAMPING CONTROL TO SMOOTH OUT THE FLICKER ACTIVITY. READJUST THE SPEED, DEPTH, AND DAMPING CONTROLS FOR THE KIND OF FIRELIGHT DESIRED.

**NOTE:** THE DEPTH CONTROL AND THE DIMMER CONTROL ARE THE MOST INTERACTIVE, I.E. MORE DEPTH WILL USUALLY REQUIRE LESS DIMMING AND LESS DIMMING WILL USUALLY REQUIRE MORE DEPTH.

# FINAL ADJUSTMENT

**IT IS BEST TO MAKE SMALL ADJUSTMENTS** WHILE OBSERVING THE EFFECT FOR A 15 TO 30 SECOND PERIOD. ADJUSTING THINGS TOO FAST OR TOO MUCH WILL GIVE UNDESIRABLE RESULTS. BECOMING FAMILIAR WITH THE INTERACTIVITY OF THE CONTROLS IS HELPFUL.

**NOTE:** LARGER WATTAGE LAMPS WILL REQUIRE LESS DAMPING THAN SMALLER ONES.

**THE UNMARKED CONTROLS (LEFT SIDE OF PANEL) ARE FACTORY CALIBRATED AND SHOULD NOT BE USER ADJUSTED. OPENING THE CASE CAN BE DETECTED AND COULD VOID THE WARRANTY.**

# TIPS

REAL FIRE HAS AN APPARENT COLOR RANGE FROM YELLOW-ORANGE TO ORANGE-RED. IF A LOWER LIGHT OUTPUT IS ACCEPTABLE A HIGH WATTAGE LAMP CAN BE DIMMED MORE TO TAKE ON THIS COLOR. IF A HIGHER LIGHT OUTPUT IS REQUIRED THE LAMP SHOULD BE DIMMED LESS AND A COLOR GEL USED TO REPRODUCE THE FIRE COLOR.

# TRICKS

APPLYING 12 VOLTS DC VIA THE 3.5 MM 2 CONDUCTOR JACK (TIP -) MARKED "REMOTE" DISABLES THE UNIT.



**KNOB ADJUSTED VERSION SHOWN HERE IS BEST SUITED FOR DEMONSTRATION PURPOSES.**