

One Year Limited Warranty

Hollywood Controls Inc ("the Company") warrants this Power Blaster IIIIE system against defects in material or workmanship for one year from date of original purchase. The Company, at its option, will repair or replace the components and return them to you free of charge.

This warranty is extended only to the original purchaser on record with the Company.

Your remedy is limited to this warranty policy. This warranty only covers product failure that occurs due to defects in material and workmanship occurring during the normal expected use of the product. It does not cover damage caused by accident, misuse, abuse, lack of reasonable care, alterations or improper installation.

There are no expressed warranties except as described above.

THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL IMPLIED WARRANTIES, IF ANY, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so

the above exclusions or limitations may not apply to you.

No other warranty, written or verbal, is authorized by the Company. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For service during the warranty period you must first contact the Company for an Return Merchandise Number (RMA) number. The Company will help you determine which part requires service and ask that you return that component ONLY. The Company, at its option, will repair or replace the components and return them to you free of charge. All returned components must be accompanied by a RMA number issued by the Company and be returned by insured prepaid freight. Products returned without a Company issued RMA will not be accepted. The Company is not responsible for merchandise damaged in transit. Evident or concealed damage made in transit should be reported at once to the delivery carrier and a claim filed with them.

The Company reserves the right to change or modify the operation, design, components and description of this system without notice.

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Hollywood Controls Inc. Power Blaster IIIIE



Model: HC1414E

Features:

- Low Voltage (24VAC) Operation
- 30 Channel Program Feature
- Aux Trigger Output
- Modular Assembly
- Precision Effects Timing
- Factory Reprogrammable
- Heavy Duty Air Valve

Components for this System

(May arrive in separate packages)

1. 7 Gallon Air Tank
2. Air Manifold with Valve & Gauge
3. HC1414EC Precision Timer Controller
4. 24VAC Power Supply

Assembly Tools

1. Medium pipe wrench
2. Screwdrivers

Safety Precautions

- DO NOT alter or remove labels.
- DO NOT direct air stream at eyes, ears or face. DO NOT operate near face or ears.
- Keep dry, the controller is not waterproof.
- Recommended MAX OPERATING PRESSURE 70PSI. Use an external regulator.
- Overfilling tank beyond MAXIMUM TANK RATING of 125PSI may result in death or serious injury.
- Release remaining pressure when finished or before servicing or removing manifold by pulling out ring on manifold relief valve.
- Use ONLY with supplied 24VAC power module.



HC1414 PowerBlaster IIIIE (Tank may vary)

General Description

The HC1414E *Power Blaster IIIIE* is a *scare machine* for frights and amusement in haunted houses, corn mazes, barns, theme events and home haunters.

The *Power Blaster IIIIE* is a precision controlled, high-volume, rapid discharge compressed air system. The system includes a 7 gallon compressed air tank, diaphragm air valve and metered manifold assembly, precision timer controller and 24VAC power supply.

Users need only provide a regulated compressed air supply, access to 120VAC for power supply and one of several available trigger mechanisms. The system is lightweight and portable. It can operate with the attached air outlet or be plumbed into an event or venue.

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Product Description

The HC1414E *Power Blaster IIIIE* is a precision controlled, high-volume, rapid discharge compressed air system for scares and amusement in haunted houses, corn mazes, barns and theme events. It can be placed in any dry location with access to AC power and a regulated source of clean dry compressed air.

System Assembly

The Power Blaster IIIIE assembly is simple and straight forward. We recommend a pipe wrench for tightening the manifold assembly to the air tank.

1. ***Read this manual in its entirety, INCLUDING SAFETY AND WARRANTY information.***
2. Unpack all components and insure all pieces of the system are present and undamaged.
3. Carefully thread the 1/2"x1-1/2" pipe onto the manifold assembly and then onto the 1/2" opening in the air tank. The pipe threads are already coated with sealant tape. DO NOT cross thread pipe!
4. Tighten 4-5 turns as necessary using a pipe wrench to seat pipe tightly in tank nipple fitting. *The manifold assembly should not turn by hand when properly tightened.* The outlet port from the valve should project over and in-line with the tank handle, NOT to the side or over the end of the tank.
5. Remove the plastic C-clamp from the mounting bracket attached to the valve. Place the clamp over the

The system includes a steel 7 gallon compressed air tank, an air valve with a 24VAC solenoid, a metered manifold assembly with relief valve, industrial quick-connect and check valve, a precision timer controller with a 30-channel effects program and 24VAC power supply.

- controller and re-attach to the bracket with the RCA trigger input toward the air gauge on the manifold. The code ring on the controller should be moved toward the right.
6. Connector operation is clearly marked on the controller labels. You cannot fit the connectors wrong. Plug the 1/4" valve plug into the controller. Plug the 24VAC power supply into the controller power jack and into a wall outlet. The LEDs will come on indicating that the controller is active and working.
 7. Connect an air supply. ***Always observe safety cautions. DO NOT discharge air into or at the face, eyes or ears. You must use a pressure regulator on the supply line to the Power Blaster. We recommend a pressure in the range of 50-70PSIG. UNDER NO CIRCUMSTANCE OPERATE THE POWER BLASTER ABOVE 125PSIG.***
 8. We strongly recommend the use of a particle/vapor filter on the incoming compressed air line to minimize water collection in the air tank and possibility of discharging water and

oil from the compressor system.

9. All trigger mechanisms **MUST BE** dry-contact type normally-open switch circuits. *Never apply external power to the controller inputs.* You may build

your own trigger, or purchase a variety of triggering systems from us. All trigger systems for the Power Blaster use standard RCA plugs.

Power Blaster IIIIE Operation

Your Power Blaster IIIIE is equipped with a standard male hose adapter at the outlet. You may use the system as-is by placing the system near your scare event, or attach a short length of hose to the hose adapter and route the air discharge to your scare venue. DO NOT pinch hose, and DO anchor the hose to eliminate whipping. If used, keep hose as short as possible, as longer hoses mute the Power Blaster noise. Experiment with effects.

The HC1414EC Power Blaster IIIIE Controller is equipped with 30 effects channels and an aux trigger output. The specific effect is noted on the controller label. The pattern indicator LEDs will light either Yellow or Green. There are 15-Green and 15-Yellow patterns. The momentary toggle

switch will cycle UP & DOWN through the patterns. The LED pattern is matched with the attached sticker label or the enclosed Controller info sheet.

Aux Trigger Out—This output is an active low "dry contact" type transistor output that tracks the valve signal. It can be used to trigger other devices such as our Power-Strobe light (HC1200) or to sync trigger another PowerBlaster.

Pilot Light Operation—As a monitoring convenience, the pattern LEDs will flash when triggered. During a recycle delay time the LEDs will blink alternately to Green and Yellow.

Power Blaster IIIIE Servicing

Your Hollywood Controls Power Blaster should provide many seasons of *haunted scares* without significant maintenance. If noticeable water accumulates in the tank from inadequate airline filtering, it should be drained prior to storage. Do not discharge water through valve. Release all pressure and remove valve assembly from tank to drain. Apply fresh Teflon sealing tape and reinstall as in assembly section.

DO NOT disassemble relief valve with gauge and quick-connect fittings, as it contains a factory sealed ball check valve containing an air bleeding leak. It is normal for the air to slowly escape after removing the quick connect.

The internal diaphragm of the air valve should provide a long service life, and is fully covered by the product warranty. If it fails out of warranty it is field-serviceable. Contact us for a replacement and repair instructions. A nominal fee will apply. Occasionally check the four valve body hex bolts and tighten if valve hammering has loosened them in any way.

The Power Blaster Controller is factory reprogrammable. If you decide that you would like to change the effects program in your controller, contact us regarding a reprogramming service. After returning the controller prepaid to us, we would reprogram it to your selection and return to you.