HOLATRON

OPERATING INSTRUCTIONS -
120 VAC Relay Module

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WARNING

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1.0 HARDWARE DESCRIPTION.

The module contains 2 spring terminals, a 120 VAC plug and outlet, a fuse, and two indicators. The plug connects to your 120 volt AC source. The 120 VAC outlet connects to the 120 VAC device you wish to actuate. The input indicator lights when 120 VAC is present at the input terminals and the fuse is not blown. The output indicator lights when 120 VAC is present at the output terminals (relay on). Recommended maximum output current is 5 amps.

--- WARNING ---

DO NOT PLUG A DEVICE INTO THE OUTLET IF THE OUTPUT INDICATOR IS LIGHTED, AS IT WILL BE ACTUATED IMMEDIATELY.

The input is protected by an 6.25 amp slow-blow fuse. Operation with devices consuming more than 6.25 amps will blow the input fuse. If the input indicator does not light when power is connected, the fuse should be replaced with an 6.25 amp slow-blow fuse. To open the fuseholder, rotate it ¼ turn counter-clockwise with a screwdriver. This will release the latch, allowing the fuseholder to pop out. Place a new 6.25 amp slow-blow 3AG fuse in the fuseholder, reinsert it, and turn it ¼ turn clockwise with a screwdriver to lock it.

2.0 OPERATION.

The two terminals marked "9 VDC Control" connect to outputs on our AirFire-1 mini-receivers, two-shot receivers, or six-shot receivers. "COM+" connects to the red wire on the mini-receiver or one of the "COM+" terminals on the two-shot or six-shot receiver. "ON" connects to the black wire on the mini-receiver, or to one of the output firing terminals on the two-shot or six-shot receiver. These inputs may be swapped since they are not polarity-sensitive. **This module cannot be triggered by our micro-receiver**.

An **input modification is required to enable it to be used with our SafeFire-12 receiver** 18V outputs if those outputs will be on for durations longer than one second. It may be used without modification if the SafeFire-12 firing output will always be shorter than one second. Note that an 18V control input longer than one second may damage an unmodified relay module and void its warranty.

Pressing the transmitter button to fire the "ON" cue turns on the device connected to the relay module output. The device will remain on as long as the receiver output continues.

3.0 SPECIFICATIONS.

Parameter	Minimum	Typical	Maximum
Output Current			5 Amps
Supply Voltage	108 VAC	120 VAC	130 VAC
Control Voltage	8.5 VDC	9 VDC	12 VDC
Control Current (12 VDC in)		18 milliamp	
Control Input Impedance		500 ohm	
Leakage current from power input to control inputs			0 milliamps

If further information or service is required, contact:

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