

HOLATRON

OPERATING INSTRUCTIONS - 24 VDC Latching Module



HOLATRON SYSTEMS, LLC

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WARNING

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1.0 HARDWARE DESCRIPTION.

The module contains 7 spring terminals, a switch, and an indicator. The two terminals marked "24 VDC Power" connect to your 24 volt DC supply. Power polarity is not critical, but output polarity will match power polarity, as defined by the red and black terminals. That is, when latched on, power red is connected to output red. Power black is always connected to output black, whether on or off. **DO NOT USE AC POWER**, as that will damage the relays. The two terminals marked "24 VDC Output" connect to the 24 volt device you wish to actuate. The indicator lights when 24 volts is present at the output terminals. Maximum current capacity of the relays is 5 amps. Operation with devices consuming more than 5 amps, or with shorted output terminals, will damage the relays and void the warranty. Please note that the output is not fused. So be very careful not to connect to a short circuit. Modules with internal automatic resetting fuses are available at a higher price.

2.0 OPERATION.

The three terminals marked "9 VDC Control" connect to the Six-shooter receiver. "COM+" connects to one of the two "COM+" terminals on the Six-shooter receiver. "ON" connects to one of the Six-shooter output terminals. This is the cue that will turn on your 24 volt device. "OFF" connects to a second Six-shooter output terminal, typically the next cue in sequence after the "ON" cue, resulting in an "alternate-action" function when firing in semi-automatic mode. Pressing the transmitter button to fire the "ON" cue turns on the 24 volt device. Pressing the transmitter button a second time fires the next sequential cue which turns off the 24 volt device. You may also use Six-shooter cue 6 for the "OFF" connection when firing in Six-shooter modes 0 - 3. This enables you to leave the 24 volt device on while continuing to fire other sequential cues with the transmitter "A" button and turn the 24 volt device off at any time by pressing the transmitter "B" button, which fires cue 6.

3.0 MODE SELECTION.

The operation described in the preceding paragraph requires that the MODE switch be in the LATCH position. Note that at least 20 VDC is required at the "POWER IN" terminals in order for the module to latch on in LATCH mode. If the switch is in the MOM. position, the 24 volt output is simply slaved from the 9 volt "ON" terminal. The output switches off as soon as the "ON" terminal switches off, and the 9 volt "OFF" terminal has no effect. In this mode any voltages lower than 24 VDC may be applied to the "POWER IN" terminals and switched by the module.

4.0 SPECIFICATIONS.

Parameter	Minimum	Typical	Maximum
Output Current			5 Amps
Supply Voltage	20 VDC	24 VDC	26 VDC
Control Voltage	8.5 VDC	9 VDC	12 VDC
Control Current		36 milliamp	
Control Input Impedance		250 ohm	

If further information or service is required, contact:

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