

HOLATRON

OPERATING INSTRUCTIONS - 12 Volt AC/DC Relay Module, 12 VDC Control



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WARNING

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1.0 HARDWARE DESCRIPTION.

The module contains 6 spring terminals and an indicator. The components associated with the latching function, shown in the photograph, are not included in the RELAY12 version. The two terminals marked "12 VDC Power In" connect to your 12 volt supply. Power polarity is not critical (even AC power may be used), but output polarity will match power polarity, as defined by the red and black terminals. That is, when turned on, power red is connected to output red. Power black is always connected to output black, whether on or off. **DO NOT EXCEED 12 VOLTS**, as that will damage the indicators. The two terminals marked "Output" connect to the 12 volt device you wish to actuate. The output indicator lights when 12 volts is present at the output terminals. The input indicator lights similarly for the input terminals. Any voltage up to a maximum of 12 volts, either AC or DC, may be switched. Note that the indicators will dim as the input voltage is reduced. Maximum current capacity of the relay is 5 amps. Operation with devices consuming more than 5 amps, or with shorted output terminals, will damage the relay 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 two terminals marked "12 VDC Control" connect to a spread-spectrum receiver's 12 VDC output terminals or to another 12 VDC control signal. These inputs may be swapped since they are not polarity-sensitive. Applying 12 VDC to the module's control input turns on the device connected to the module's output. The device will remain on as long as the control input is on.

3.0 SPECIFICATIONS.

Parameter	Minimum	Typical	Maximum
Output Current			5 Amps
Supply Voltage	10 VDC	12 VDC	14 VDC
Control Voltage	10 VDC	12 VDC	14 VDC
Control Current (12 VDC in)		14 milliamp	
Control Input Impedance		850 ohm	
Leakage current from power input to control inputs			0 milliamps

If further information or service is required, contact:

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