

## Projector Controller Programmable Serial Device



- By default the HR-1P is configured to detect a **CONTACT or a NON-ISOLATED VOLTAGE**. By special request at the time of the order, the unit can be configured to detect an **OPTICALLY ISOLATED VOLTAGE**.
- Both the **CONTACT/NON-ISOLATED** and **OPTICALLY ISOLATED** configurations use the EXT CTL jack for detection of the signal.
  - For **Contact/Non-Isolated Voltage configurations** of the unit, ***ALWAYS*** ensure that if you supply a voltage to the EXT-CTL jack, it is applied as CENTER POSITIVE in the range of 3-24 vDC. The device will not sense 0 volts by unplugging the EXT CTL jack. The sensing circuit is normally 'pulled' high. This means that in order to detect the 'No-Voltage applied' condition, your circuit must represent a low resistance.
  - For **OPTICALLY ISOLATED configurations**, ***ALWAYS*** ensure that the voltage is applied as a CENTER POSITIVE in the range of 3-9 vDC. This voltage should be isolated from the units Supply Voltage.
- Failure to observe these warnings may result in damage to the unit and void your warranty