**1594-02 RELAY INTERFACE**

The 1594-02 detects presence of a contact closure to ground on any of up to 96 inputs and provides a serial data stream which provides real time indication of each channel’s status (closure to ground or open). The internal processor sequentially polls up to 96 inputs by a 96 channel multiplexer and provides a continuous serial data stream containing a header code followed by 96 bits of information which are logic one if the corresponding input has a closure to ground and logic zero if the corresponding input is open. A check sum byte follows for error detection. The output data is 9600 baud, no parity, 8 bits, 1 stop at RS232C levels. A 90 - 260 VAC power supply provide DC power to the 1594-02. The unit is housed in a 1 3/4”, rack mount chassis.

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**1594-02 RELAY INTERFACE FRONT AND REAR PANELS**

**1594-02 Technical Specifications**

**Data Characteristics**
- **Output**: RS232C
- **Data rate**: 9.6 kB/s, Async
- **Connector**: DB9, female

**External Closure Characteristics**
- **Type**: Closure to ground
- **Closure resistance**: \( \leq 200\Omega \)
- **Switch after closure**: \( \leq 0.20 \text{ sec for system} \)
- **Connector**: Terminal Block

**Indicators**
- **ALARM**: Red LED lights if processor quits
- **ACTIVITY**: Green LED lights when closures present
- **POWER**: Green LED lights when power is on

**Other**
- **Mechanical**: 19 inch standard chassis 1.75”high X 8.5” deep
- **Power**: 90 - 260 VAC, 47 - 60Hz, 10 watts;

*Specifications subject to change without notice*