

Universal Contact Input Adapter M-3908



- **Converts seven internally wetted contacts to be compatible with Beckwith M-34XX protective relays and M-4272 Motor Bus Transfer System contact inputs.**
- **Operates with 12 V to 250 V dc wetting voltages.**
- **Provides two input terminals per contact input.**

Description

The M-3908 Universal Contact Input Adapter will convert seven internally wetted status inputs of Beckwith relays to be externally wetted. The input voltage is selectable: 250 V dc, 125 V dc, 48 V dc, 24 V dc or 12 V dc. This selection is made through a series of jumpers (Table 1) on the printed circuit board. Each of the externally wetted inputs will be isolated from all other externally wetted inputs.

n = JUMPER NUMBER

NOMINAL VOLTAGE	J _n A	J _n B	J _n C	J _n D
12 V dc	2-1	2-1	2-1	2-1
24 V dc	2-1	2-1	2-1	2-3
48 V dc	2-1	2-1	2-3	2-3
125 V dc	2-1	2-3	2-3	2-3
250 V dc	2-3	2-3	2-3	2-3

Table 1 Input Voltage Jumper Configuration

Terminal blocks are used for all connections to the device which includes two independent terminals per input circuit.

The device will be panel-mounted. There is an inherent 1 ms delay from input to output operating time.

Physical

Size: 8.75" wide X 4.50" high X 1.50" deep (22.23cm X 11.43cm X 3.8cm)

Weight: TBD lbs. (TBD kg)

Atmospheric Environment

Temperature

IEC 60068-2-1 Cold, -20° C

IEC 60068-2-2 Dry Heat, +70° C

IEC 60068-2-78 Damp Heat, +40° C @ 93% RH

Dielectric Withstand

IEC 60255-5 3500 V dc for 1 minute applied between each independent circuit and earth
 3500 V dc for 1 minute applied between each independent circuit

Insulation Resistance

IEC 60255-5 >100 Megaohms

Surge Withstand Capability

ANSI/IEEE 2500 V pk oscillatory applied to each independent circuit to earth

C37.90.1-1989 2500 V pk oscillatory applied between each independent circuit

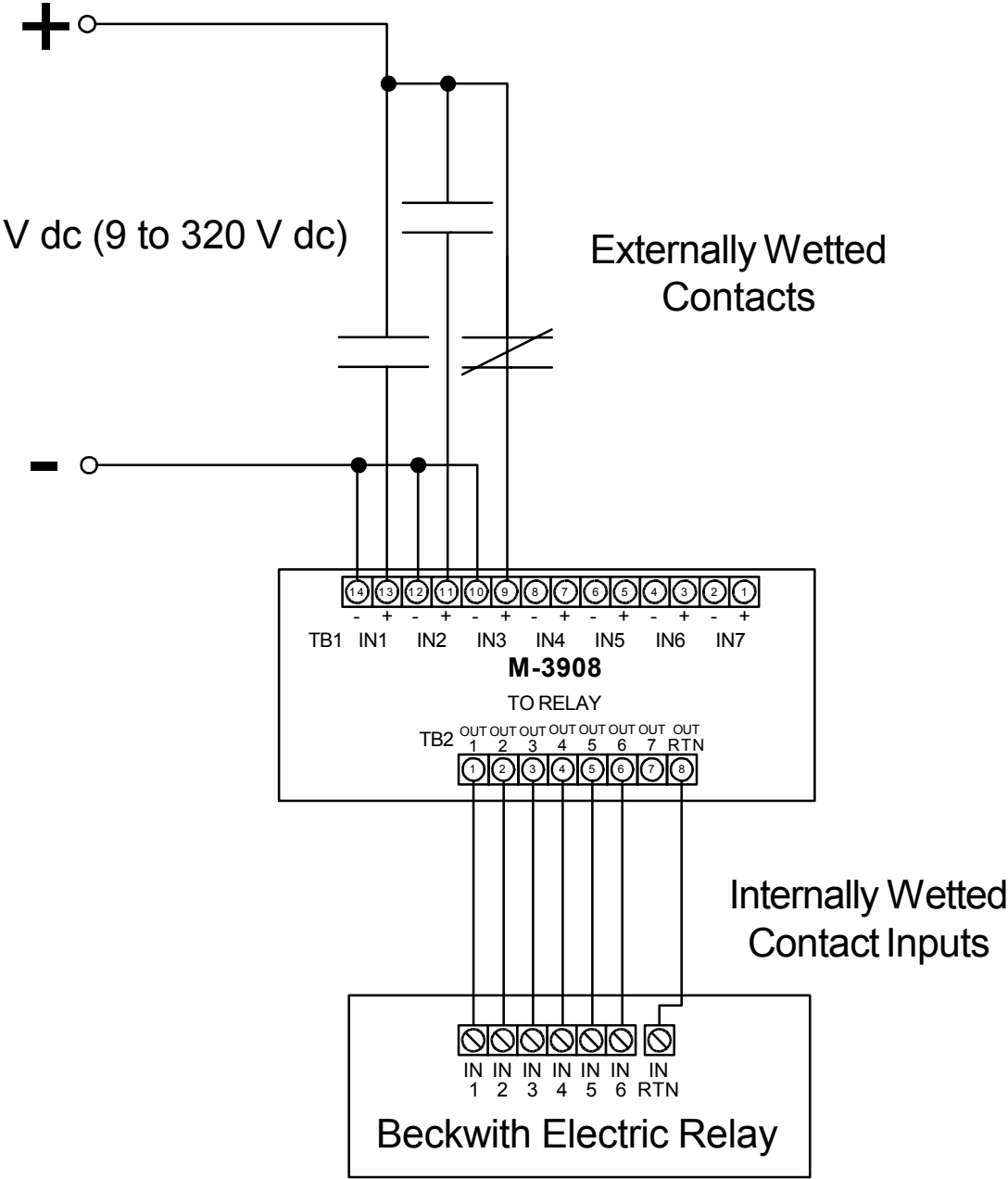
5000 V pk fast transient applied to each independent circuit to earth

5000 V pk fast transient applied between each independent circuit

Warranty

The M-3908 Universal Contact Input Adapter is covered by a five year warranty from date of shipment.

Specification subject to change without notice. nonionotice.



* Two M-3908 adapters can be used with the M-4272 or M-3425A with Expanded I/O.

Figure 1 Typical Application Example

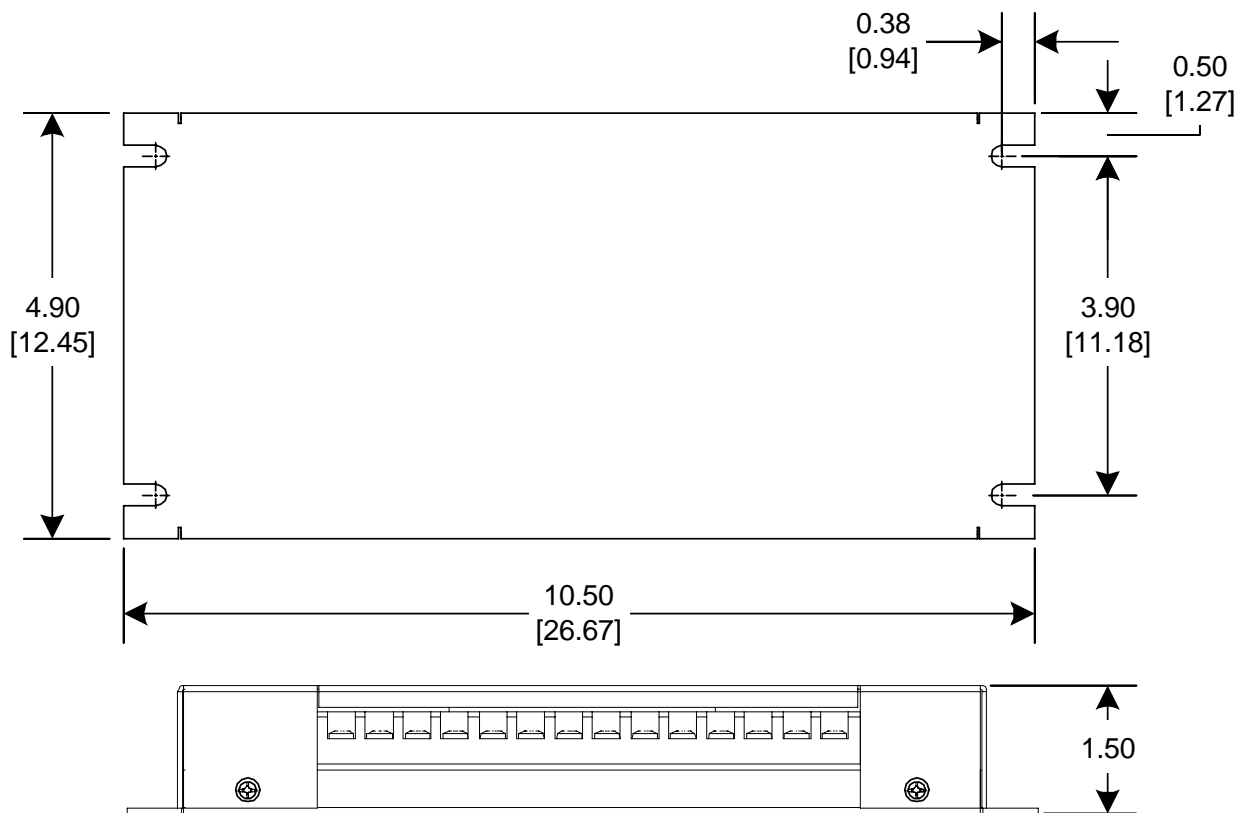
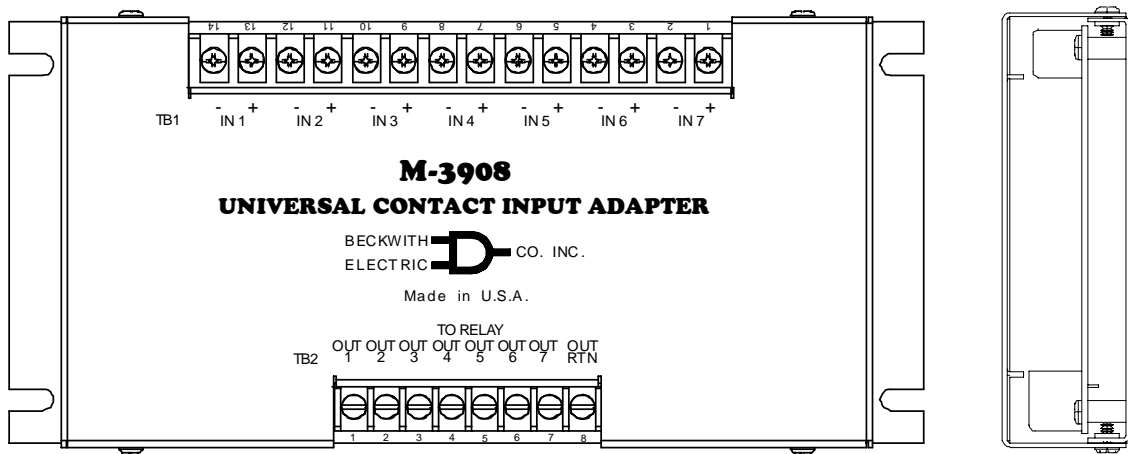


Figure 2 Universal Contact Input Adapter



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