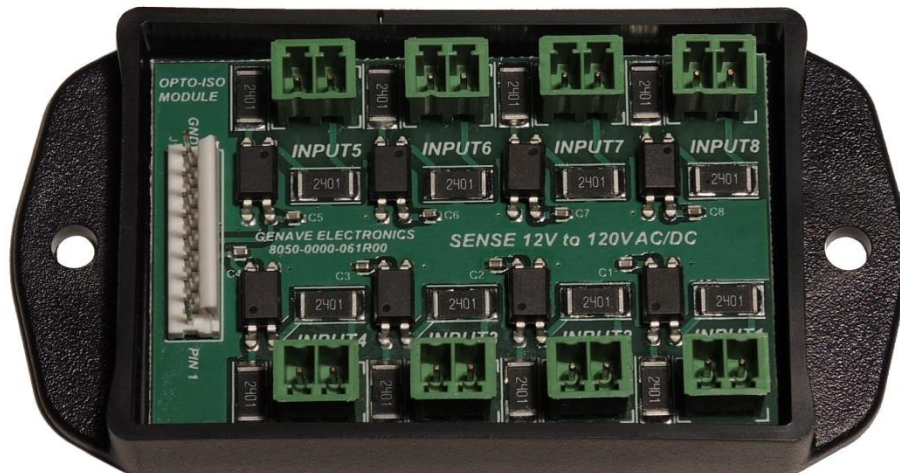




# IN-ISO

Input Isolation Module for RXC Equipment

## Install & User Manual



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## **Warning**



If incorrectly used, this equipment can cause severe injury. Those who use and maintain the equipment should be trained in its proper use, warned of its dangers, and should read the manuals before attempting to set up, operate, adjust or service the equipment. Keep this manual for future reference.

# **Important Safety Information**

## **Installation & Service Precautions**



• Electrocutation, severe personal injury and damage to equipment can occur during installation or servicing this equipment. All electrical work should be performed by, or under the supervision of an experienced electrician and in accordance with all applicable electrical, fire, building and safety codes.

• You must test the system and equipment to insure it is operating correctly after the installation, as well as after any work has been performed.

## **System Operation**

• Training is necessary to ensure those responsible can correctly use the system. Periodic tests can serve to accomplish the training for the operators, in addition to verifying system readiness.

• You must carefully read and completely understand all the information about the system including its abilities and its limitations. Since no control system is infallible, you must have contingency plans for control, in the event the primary systems do not perform as expected, for any reason.

# IN-ISO Install & User Manual

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## IN-ISO Hardware

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# Input Isolation Module

## Table of Contents

**Product Overview .....5**

- Basics ..... 5
- Installing the module ..... 6
- Connect to RXC ..... 7
- Testing the module ..... 7

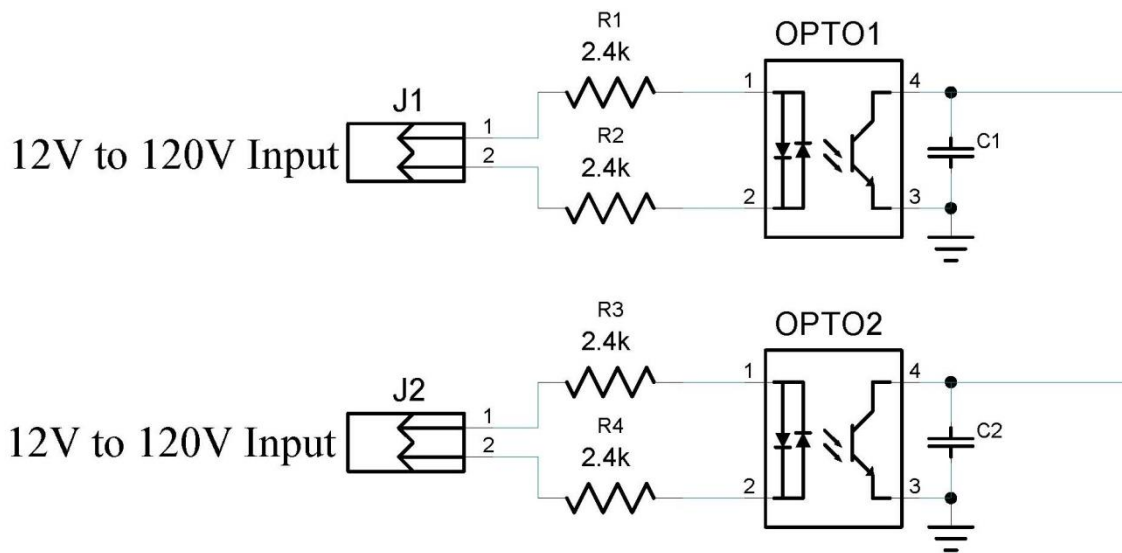
## Product Overview

### Basics

The IN-ISO module isolates the input to the RXC from high voltage threats, spikes or ground loops.

In addition, the IN-ISO module allows the control of the RXC with AC or DC voltages and currents over greater distances than normally available to the RXC.

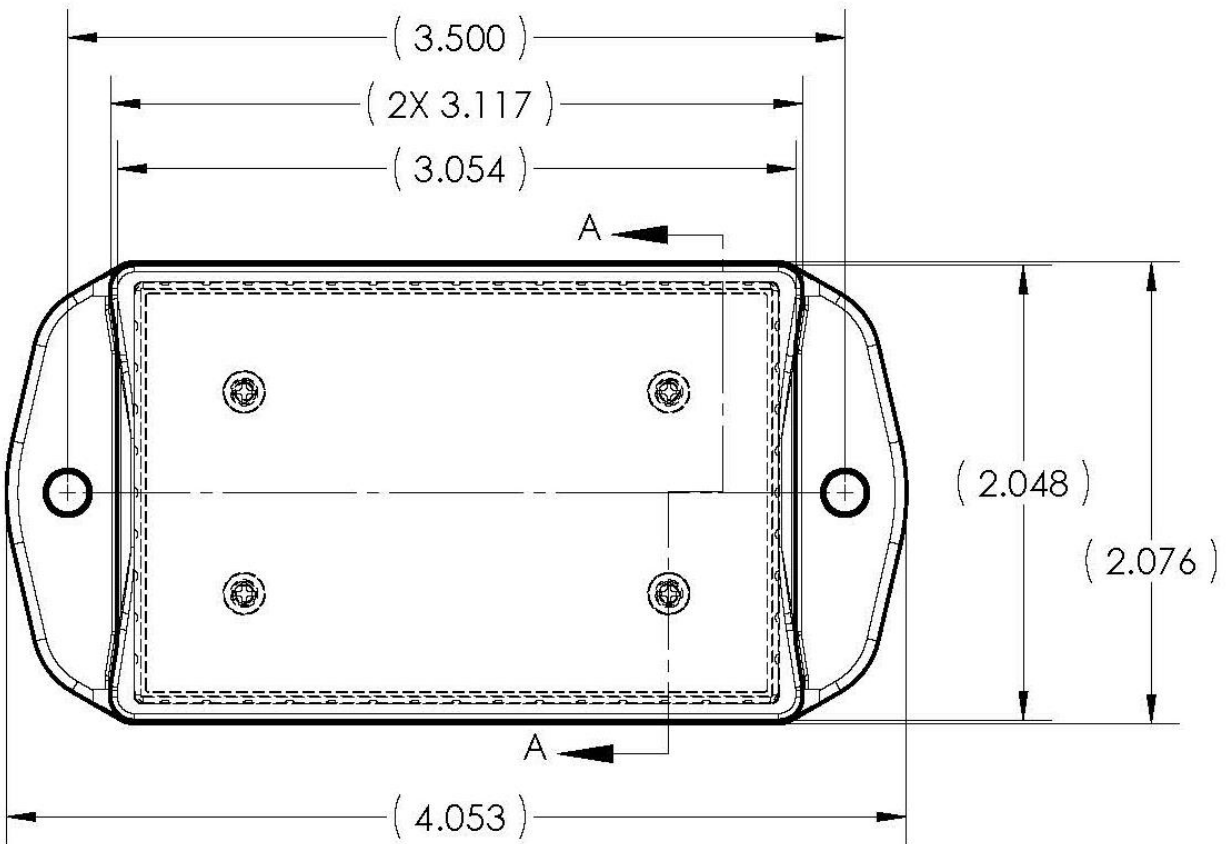
The IN-ISO module has 8 independent and isolated inputs that accept voltages ranging from 12V to 120V AC or DC. Since the opto-isolator is a current driven device, switches can be remotely placed at a great distance from the IN-ISO. As long as the current is sufficient to activate the opto-isolator, the input to the RXC will be held low (Active).



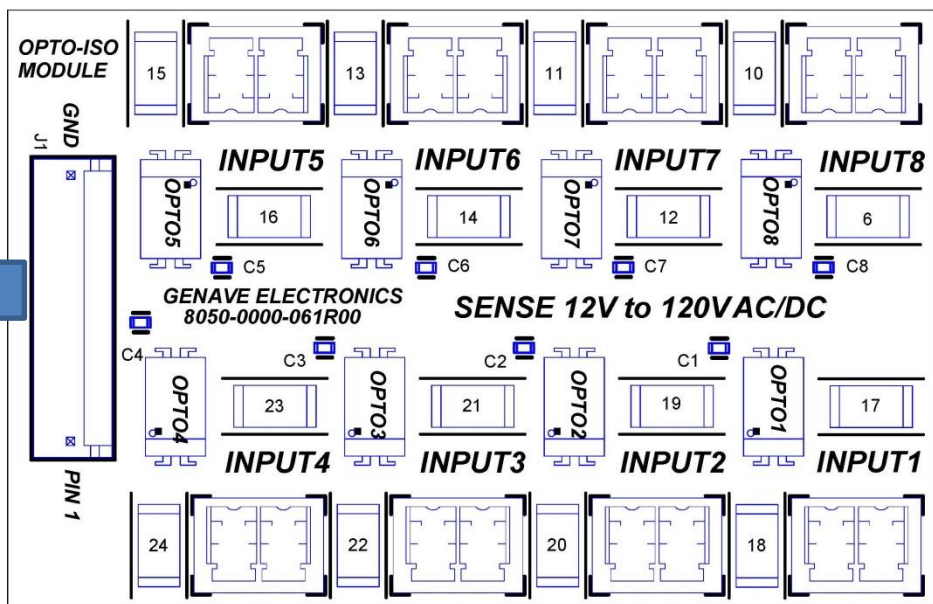
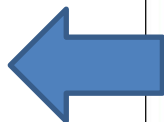
The image above shows inputs 1 and 2. The input impedance for each input is 4800 Ohms.

**Installing the module**

The IN-ISO must be installed in a weather tight enclosure. The distance between the two mounting holes is 3.5 Inches.



Connect to RXC  
Input J14  
"Remote Inputs"



### Testing the module

Once the IN-ISO is installed, test each of the inputs. As each input is activated, the RXC will begin the action associated with the corresponding input. Inputs 1 through 4 will also show activity with the associated LED on the RXC being lit whenever the input is active.

**Schematic**

