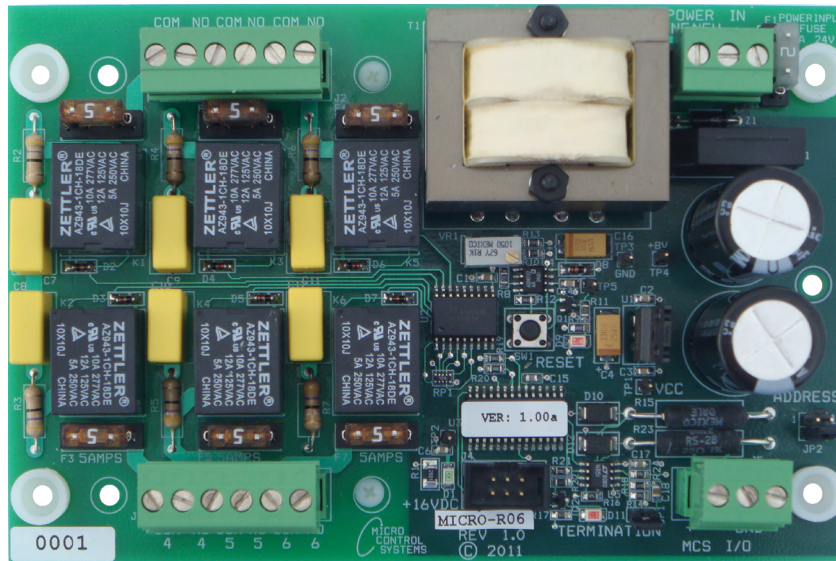




# Micro-RO6

## Description & Specifications



Part # Micro-RO6

### Description

The **Micro-RO6** provides a flexible and cost effective way to allow relay output expansion for the MicroMag. Each Micro-RO6 has a stand-alone microprocessor which communicates with the MicroMag over the MCS-I/O port at 38,400 baud. All data is check summed with auto error correction. Because the communications is over a RS-485 long distance two-wire differential network transmission system, the MicroRO6 may be located up to 5,000 feet away. Each MicroRO6 board is equipped with a power transformer and an automatic power fail reset system.

The printed circuit board is a four layer board with a separate power and ground plane to provide the ultimate in electrical noise suppression. This coupled with noise suppression electronics makes the Micro-RO6 virtually impervious to electrical noise.

The MicroRO6 provides six relay outputs fused at 5.0 amps, each using standard mini Auto fuses. This allows for easy field replacement. Each relay output provides common and normally open contacts. They are in groups of three on a six position removable terminal block. The terminal blocks provide screw connections which eliminate the need for sta-cons. Because the terminal blocks are removable, board replacement requires no wires to be removed.

### Specifications

#### Controller

- Dimensions..... 6.00"l, 4.00"w, 2.00"h
- Mounting Holes..... Mounts on a backplane using four #6 sheet metal screws
- Operating Temperature.... -40°F to +175°F (-40°C to +80°C)
- Storage Temperature..... -40°F to +175°F (-40°C to +80°C)
- Relay Outputs (RO)..... 6 outputs 5.0 amps @ 24 vac
- Printed Circuit Board ..... Four layer with separate power and ground planes
- Input Power (Standard) ... 24vac ±10% 50/60Hz @ 77°F (25°C) ambient, 6 VA max
- MCS-I/O Comm Port ..... 1 @ 38,400 baud
- Power Detection ..... Automatic power fail reset