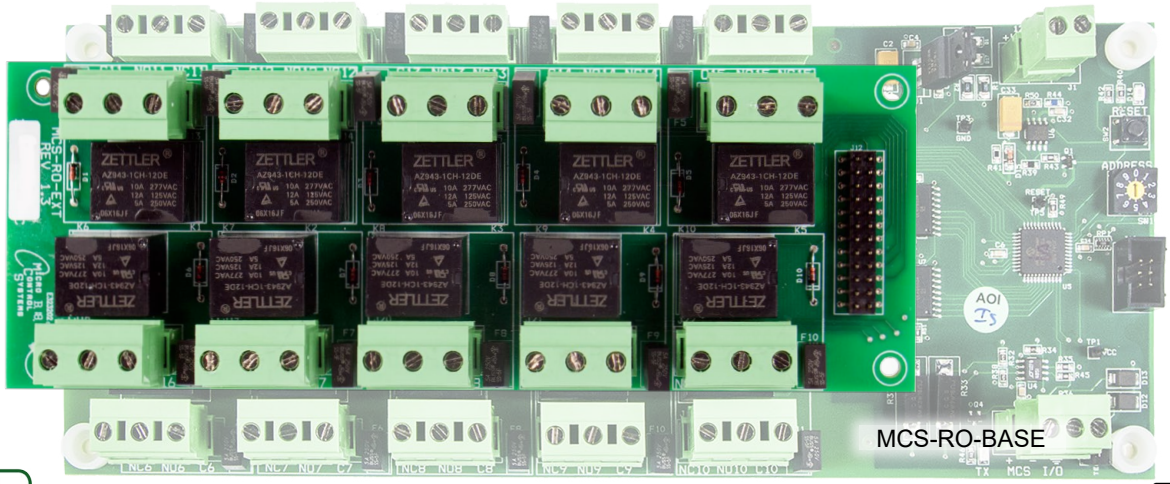
MCS-RO-EXT
Description & Specifications



RoHS Compliant

Part # **MCS-RO-EXT**

c UL us
File No: E169780

Description

The **MCS-RO-EXT** provides a flexible and cost effective way to allow relay output expansion for **MCS MAGNUM** and **Micromag**.

Each MCS-RO-EXT can be paired with a MCS-RO-BASE to double the number of outputs. Each MCS-RO-EXT board is powered by the MCS-RO-BASE board once it is stacked on top. The printed circuit board is a four layer board with a separate power and ground plane to provide the ultimate in efficient electrical noise suppression. This coupled with noise suppression circuitry makes the MCS-RO-EXT virtually impervious to electrical noise.

The MCS-RO-EXT ten relay outputs fused at 5.0 amps. Each relay output provides common, normally open and normally closed contacts on a 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. Once the MCS-RO-EXT is paired with the MCS-RO-BASE the number of relays are expanded from 10 to 20 allowing twice the number of relay outputs in the same footprint of one MCS-RO-BASE.

Specifications

Controller

Dimensions	7.2”l, 2.5”w, 2.50”h
Mounting	Mounts on top of the MCS-RO-BASE by 4 nylon standoffs and a stacker header (included on MCS-RO-BASE)
Operating Temperature	-40°F to +158°F (-40°C to +70°C)
Operating Humidity	0-95% Non-Condensing
Storage Temperature	-40°F to +158°F (-40°C to +70°C)
Relay Outputs (RO)	10 outputs 5amps @ 230VAC
Printed Circuit Board	Four layer with separate power and ground planes
Input Power (Standard)	Powered by MCS-RO-BASE 12 vdc Regulated Power Supply
Minimum (Brown in)	10.54 vdc
Amp Draw (Loaded)	660.0 mA
Power Detection	Automatic Power Fail Reset on MCS-RO-BASE

Packaging

Kit of (4) #6-32 x 1” Female/Female Hex Nylon Tapped Spacers
Kit of (1) 12 Pin Double Strip Header, 2.54mm Center, Straight

Ship Weight	0.72 lb (approx)
Box Dimensions	10” x 4.5” x 3.375” (approx)

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