



# APPLICATION NOTE

## APP #140

### Revision History

Date	Author	Description
3-19-2020	DEW	Setup

# MCS - I/O WIRING FOR BASE BOARDS AND EXTENSION BOARDS

Any questions regarding this release, contact: [support@mcscontrols.com](mailto:support@mcscontrols.com)

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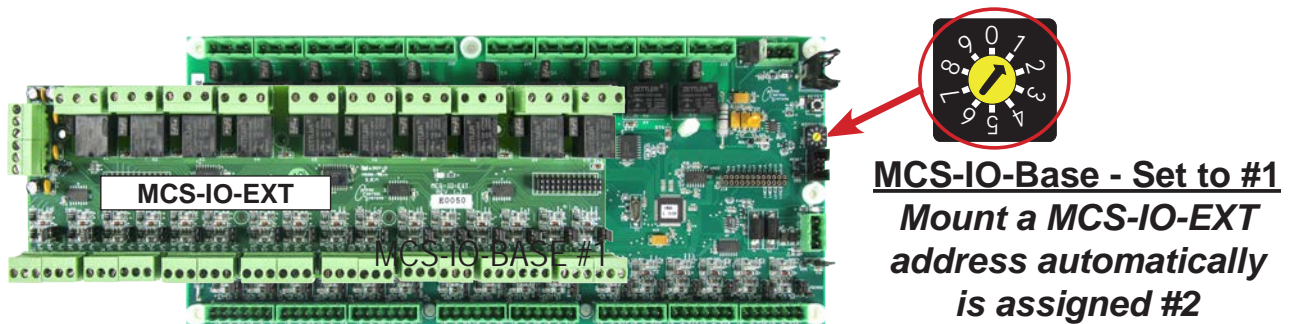
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This Application note describes the installation of the MCS I/O network for +12 Expansion Boards.

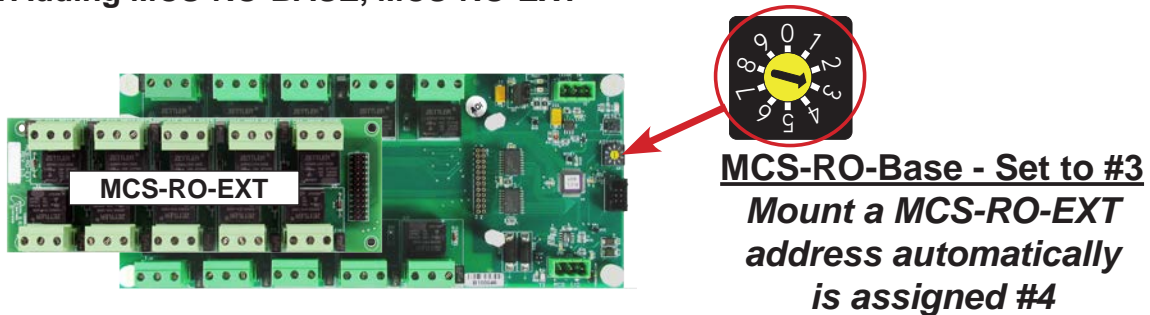
The MCS-IO-BASE is built with both sensors and relays, it communicates with the MAGNUM controller to monitor the unit it is controlling.

Theory for settings one MCS-IO-BASE plus extension boards

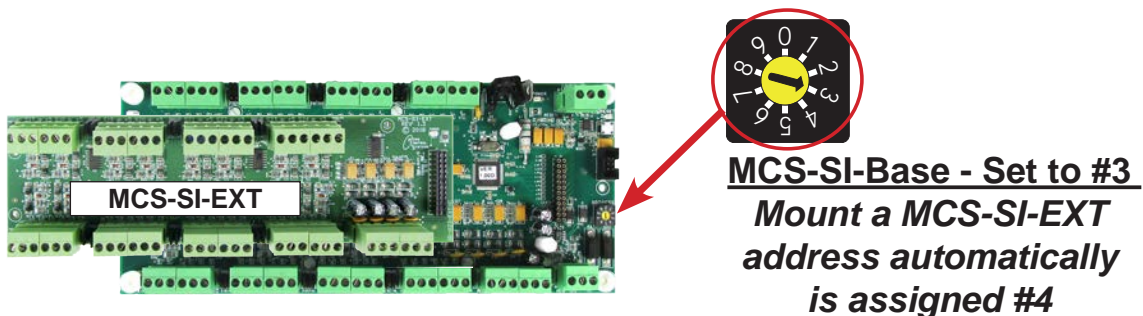
### 1. Address settings for installing MCS-IO-BASE and MCS-IO-EXT expansion boards:



### 2. Adding MCS-RO-BASE, MCS-RO-EXT



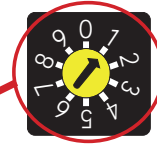
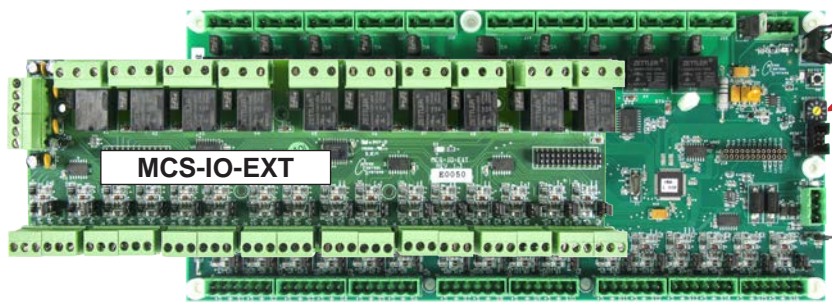
### 3. Adding MCS-SI-BASE, MCS-SI-EXT



**SEE NEXT PAGE - ADDING A SECOND MCS-IO-BASE**

Theory for settings two MCS-IO-BASE boards plus extension board

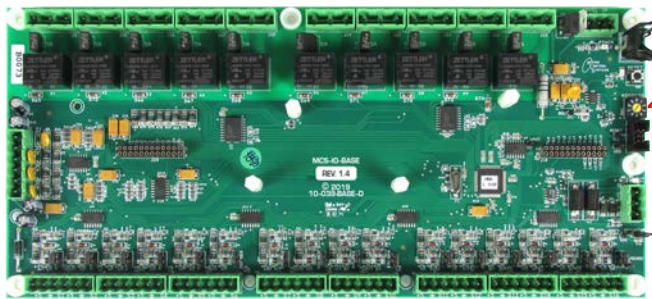
**1. Address settings for installing MCS-IO-BASE and MCS-IO-EXT expansion boards:**



**MCS-IO-Base - Set to #1**  
***Mount a MCS-IO-EXT  
address automatically  
is assigned #2***

MCS-IO-BASE #1

**2. Adding second MCS-IO-BASE**



**MCS-IO-Base - Set to #3**

MCS-IO-BASE #2



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