



APPLICATION NOTE

Revision History

Date	Author	Revision	Description
8-26-15	DEW	Rev. 1	Field Modification

MCS-CT SENSOR **Field Modification to** NON-REMOVABLE TERMINAL BLOCK

Manufacturing Date: 08-06-15
Updated - Rev 3.2 & 4.1

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NOTE: TURN POWER OFF TO UNIT BEFORE MAKING THIS CHANGE

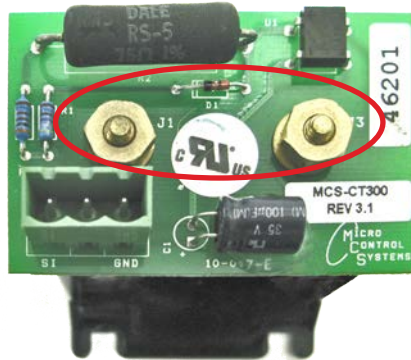
1.1. MCS-CT SENSOR FIELD MODIFICATION FOR NON-REMOVABLE TERMINAL BLOCK

1.1.1 Removing control board from existing MCS-CT

1. Remove terminal block from existing MCS-CT by pulling up. Leave wires in place so you can see how the CT was wired to terminals. **See figure #1**
2. Use a 3/8" nut driver to remove the 'two brass nuts' holding the board in place on transformer. **See figure #2**



Figure #2



3. Note where and how the 'brass washers' are installed.
 1. One 'lock washer' AND one 'flat washer' is installed on each post directly below the brass nut on top of board. **See figure #3**
 2. One 'flat washer' is installed on each post under the board that is being replaced . **See figure #4**

Figure #3

Photo shows placement of brass 'lock washers' and brass flat washer on screw posts



Figure #4

Photo shows placement of brass 'flat washers' in place on screw posts



SEE NEXT PAGE FOR PLACEMENT OF NEW NON-REMOVABLE TERMINAL BLOCK ON TRANSFORMER

1.2. INSTALLING NEW BOARD ON TRANSFORMER

1. NEW NON-REMOVABLE TERMINAL BLOCK REPLACEMENT BOARD supplied.
See Figure 5

Figure #5



2. Mounting NEW NON-REMOVABLE TERMINAL BLOCK BOARD on top of transformer.
Figure #6 shows placement of 'brass flat washers' on screw posts.
3. Figure #7 shows placement of **'brass flat washers and brass lock washers'** in place after placing new board on screw posts.

Figure #6

Shows 'flat washers in place prior to mounting new board



Figure #7

Brass 'flat washers and lock washers in place'

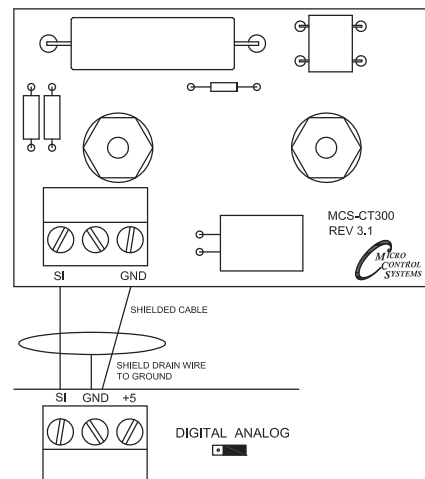


4. Figure #8 shows NEW NON-REMOVABLE TERMINAL BLOCK board in place with 'brass nuts' snugged to board.
5. Attach wires as per drawing.

Figure #8



MCS-CT300
Current Transformer Wiring Diagram





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