


The clocks should be wired as shown. The 15 vdc is supplied from the Dukane System. The Dukane clocks are an impulse type with a 12 hour correction at 12:00 midnight. The output circuit on the Master Clock will need to be programmed with an ON TIME at 12:00 AM each day and a duration of 2 seconds.

The 1 uf capacitor and 2.7 K resistor may be installed at the master or at any clock on the line.

The MTC-xxx will need to be supplied with a special EPROM. This will disable the polarity reversal on the master clock and no rapid pulses at the 59th minute.

The same basic wiring can be used to add MTCI digital clocks to an existing Dukane system. The resistor and capacitor will not need to be added.

 MIDWEST TIME CONTROL, INC.		
Title: MTC-xxx Master Clock with Dukane Digital Clocks and MTCI Digital Clocks		
Drawing Number:		REV
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