



The basic Hourly correction is a 55 second signal at xx:58:05. This correction signal will synchronize the minute and second hands at the 59th minute. The 12 hour correction is accomplished between 5:02 and 5:35.

The schedule shown, programmed for both AM & PM, will correct for at least a 3 hour error between 5:05 and 6:59 each day. It also provides 6 hourly corrections each day.

This schedule consumes 462 memory events in the standard MTC series Master Clock. This leaves 188 memory events for programming of output circuits. If this is insufficient to accomplish the output circuit programming needed, the options are:

1. Omit one or more of the 12 hour correction cycles (between 5:05 and 5:30 AM and PM). Each cycle deleted will free up 42 memory events.
2. Omit one or more of the Hourly correction cycles (between xx:58 and xx:59 AM or PM). Do not omit the 5:58 and 6:58 cycles. Each cycle deleted will free up to 21 memory events.
3. Expand the MTC Master Clock memory to 2600 events with the optional memory expansion option.

The inherent correction of this clock can result in an error of up to 5 seconds slow. This can be corrected by unplugging the wall clock until the second hand is slow by 5 to 59 seconds. It will then be corrected at the next hourly correction from the master clock.

Manual Clock Corrections can be made by positioning Circuit Control 1 switch to ON.

In normal operation, Circuit Control switches 1 and 2 must be set to AUTO.

OPERATION: At the 58th minute of each programmed hour, both output circuits will close. The NC contact of the control relay will open until circuit 2 times out (5 seconds). With this program, a correction signal will be sent out between xx:58:05 and xx:59:00.

1		2	
ON Time	OFF Time	ON Time	Duration
12:58	12:59	12:58	5 Seconds
3:58	3:59	3:58	
5:05	5:06	5:05	
5:09	5:10	5:09	
5:13	5:14	5:13	
5:17	5:18	5:17	
5:21	5:22	5:21	
5:25	5:26	5:25	
5:58	5:59	5:58	
6:58	6:59	6:58	
9:58	9:59	9:58	



Title: Correction for Cincinnati  
D8 Wired-Sync. Wall Clocks

Drawing Number:

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