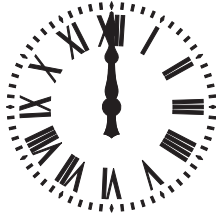


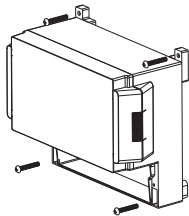
QUICK START GUIDE



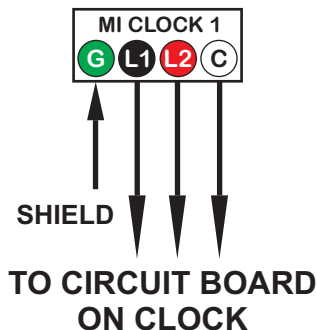
1) DISCONNECT 115VAC POWER CIRCUIT BEFORE MAKING ANY WIRING CONNECTIONS



2) INSTALL ALL CLOCKS WITH CLOCK HANDS POINTING AT 12:00

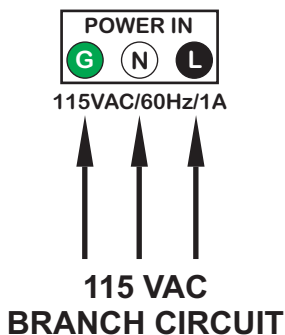


3) INSTALL 99B-MI CLOCK CONTROLLER (#10 SCREWS RECOMMENDED)



4) CONNECT 99B-MI CLOCK CONTROLLER TO CLOCKS (24VAC - 16AWG RECOMMENDED)

- 4 OUTPUTS PROVIDED LABELED "MI CLOCK" 1-4
- "HOME RUN" WIRING RECOMMENDED FROM EACH CLOCK TO 99B-MI OUTPUTS "MI CLOCK" 1-4
- SHIELDED CABLE RECOMMENDED, CONNECT SHIELD ONLY TO 99B-MI, TRIM SHIELD AT CLOCK MOVEMENTS



5) CONNECT 115VAC BRANCH CIRCUIT TO 99B-MI CLOCK CONTROLLER

6) TURN ON 115VAC POWER

7) CLOCKS WILL AUTOMATICALLY RESET TO CORRECT TIME

REFERENCE MANUAL 274 FOR COMPLETE OPERATION & MAINTENANCE INSTRUCTIONS

CONTROL WIRING

SYSTEM CLOCKS : "MI" OPERATION

"HOME RUNS" REQUIRED
ALL "MI" CLOCKS

99B-MI CLOCK CONTROLLER

115VAC / 60Hz

LINE (BLK)

NEUTRAL (WHT)

GROUND (G)

(1A MAX)

MI OUTPUTS
(24VAC / 2A MAX)

*Shield Connects
ONLY at 99B-MI

*G (SHIELD)

L1 (BLK)

L2 (RED)

C (WHT)

*G (SHIELD)

L1 (BLK)

L2 (RED)

C (WHT)

*G (SHIELD)

L1 (BLK)

L2 (RED)

C (WHT)

"CMI" BOARD
(1 PER CLOCK)

"CMI" BOARD
(1 PER CLOCK)

CLASS II (24VAC)
16 AWG WIRE
RECOMMENDED

TO
ADDITIONAL
CLOCKS

CONTROL SPECIFICATIONS

- 1) CONTROLS UP TO (4) "MI" CLOCKS
- 2) MAX CONTROL WIRE RUN 350'
- 3) "HOME RUNS" REQUIRED FROM EACH CLOCK
- 4) DEDICATED 115VAC BRANCH CIRCUIT MUST BE PROVIDED FOR 99B-MI CONTROLLER
- 5) CONNECTIONS FOR 1/2" CONDUIT PROVIDED

ILLUMINATION WIRING (IF APPLICABLE)

115VAC / 60Hz

LINE (BLK)

NEUTRAL (WHT)

GROUND (G)

PHOTOCELL
OR
LIGHTING CONTROL
{BY OTHERS}

CLOCK
ILLUMINATION

LOCAL DISCONNECT
{BY OTHERS}

IMPORTANT

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

PATH M:\ACAD10\A-14425.DWG

TITLE
Clock Installation Wiring Detail
Control & Illumination Diagram

SCALE NONE
DATE 06-24-15
DRAWN DMC
APP'V TDE

electric time
company, inc.
medfield, ma

VIEW
LASER

REVISIONS

DRAWING
A-14425