Time Clock Replacement & Programming Instruction for 25175 & 8700A Control Panels

Introduction:

This instruction provides the necessary information for updating a Chore-Time 25175 or 8700A Control Panel from using either a Legrand or a Grasslin DIGI 32/2 Time Clock to using a Grasslin DIGI 42/2 Time Clock.

If your 25175 Control Panel incorporates a 115 V Time Clock (Chore-Time part no. 14256 or 25482), disconnect the white wire from the time clock to the terminal block and discard. Then, follow the installation instructions below and wire the time clock as shown on page 2.

Note: You will need the red wire supplied with this kit to complete the wiring.

If your control is already equipped with a Grasslin Time Clock, disregard the **Installation** section below. Refer to the **Time Clock Programming Instructions** section on page 3.

⚠ DANGER

ELECTROCUTION HAZARD!

Do not open this control box until electrical power is disconnected at circuit breakers.

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Installation:

1. **Disconnect electrical power before servicing the control panel.**
2. Open the Control Panel Cover, allowing access to the back of the time clock.
3. Disconnect the wire leads from the back of the existing time clock.
4. Using a screwdriver, remove the Mounting Adapter (bracket) securing the time clock in the Control Panel.
5. Remove the time clock from the control panel.
6. Open new digital time clock. Remove the back panel by turning the two screws in the face of the clock.
7. Install the Grasslin time clock in the Control Panel using the Mounting Bracket provided with the time clock.
8. The new time clock **does not wire** the same as the existing time clock. Cut off the quick connect terminals presently on the wire leads and strip the insulation back approximately 3/8" (10 mm).
9. Turn the clock back panel so that the terminal block numbers are on the top side. Connect the wire leads to the terminal block as shown in the appropriate wiring diagram on page 2.
10. Install the back panel on the new time clock and tighten the two screws in the face of the clock.
11. Program the time clock.

25175 Control Panel Wiring Diagram
(using Grasslin time clock part no. DIGI 42/2)
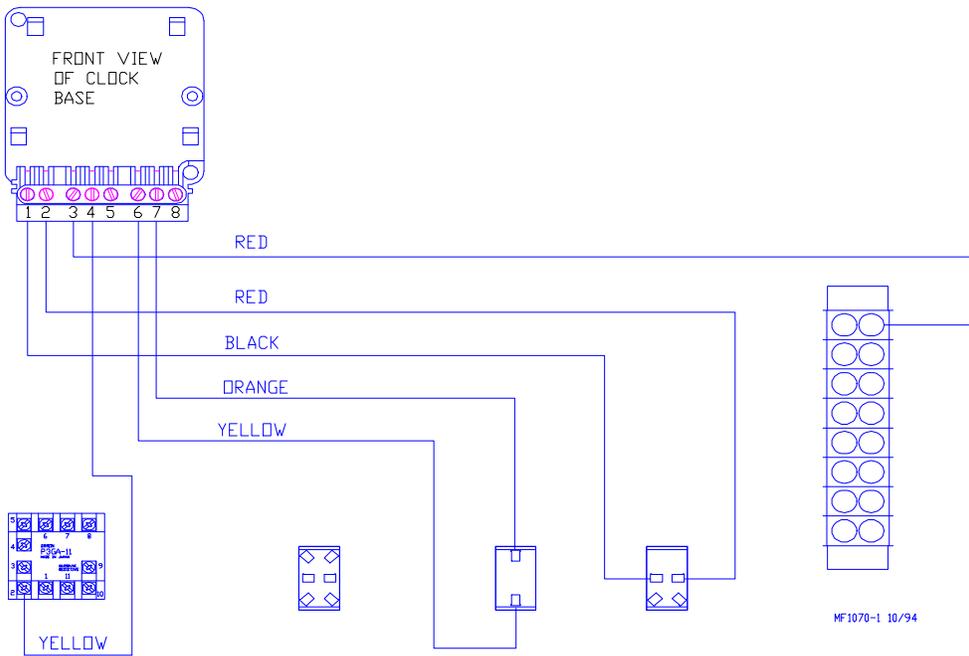
FRONT VIEW
OF CLOCK
BASE

1 2 3 4 5 6 7 8

RED

RED

BLACK

ORANGE

YELLOW

YELLOW

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8700A Control Panel Wiring Diagram
(using Grasslin time clock part no. DIGI 42/2)

FRONT VIEW
OF CLOCK
BASE

1 2 3 4 5 6 7 8

RED

RED

BLACK

ORANGE

YELLOW

YELLOW

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Time Clock Programming Instructions

Hand Key 1   **Hand Key 2**

Reset Key

"Off" Symbol

"On" Symbol

Hour Key

Program Key

Clock Key

Minute Key

Channel 1 Symbol

Channel 2 Symbol   **Day Key**

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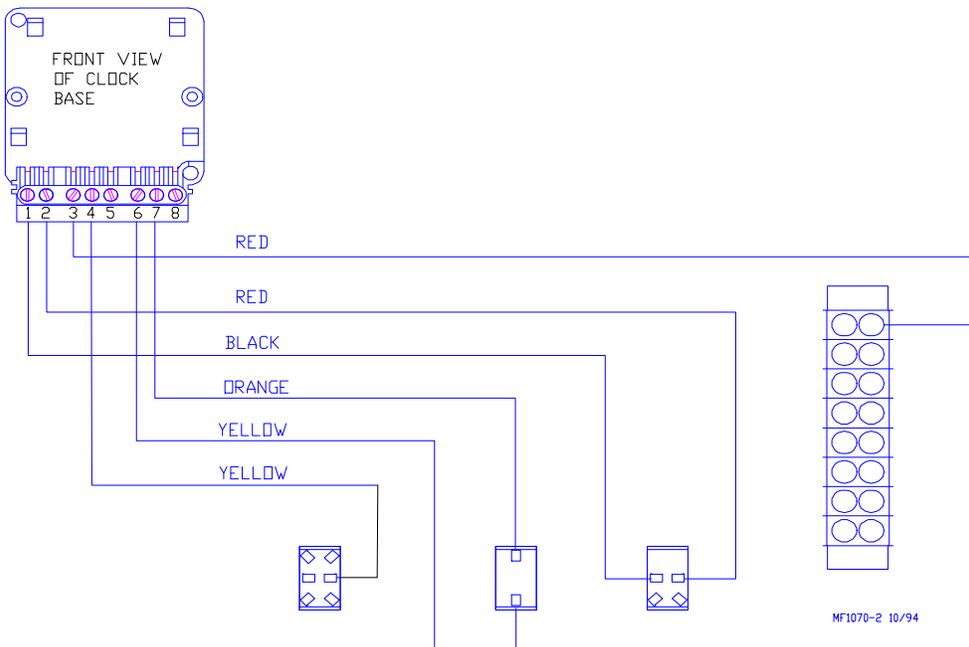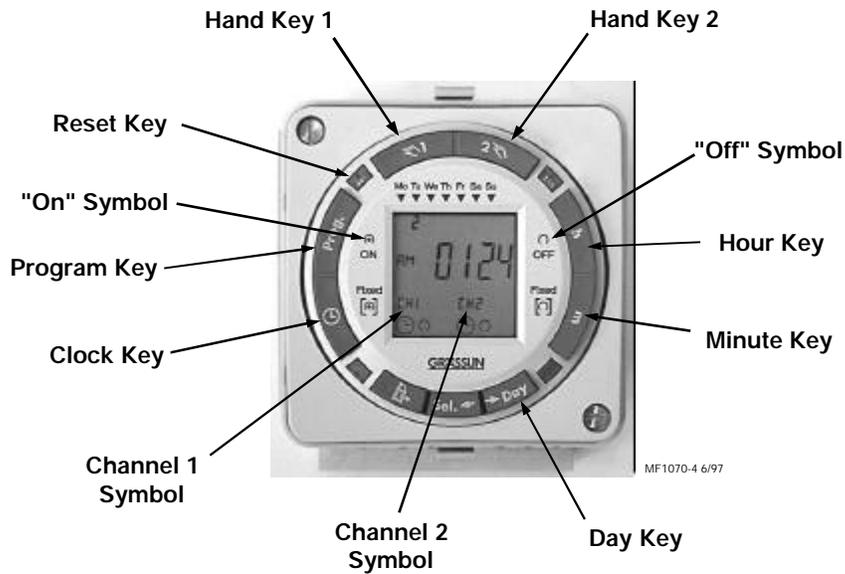
To Reset the Time Clock:

Press the **RES** (reset) key to clear all programs and times from the clock.
Note: This will remove all programs and time of day from memory.

Chore-Time recommends reseting the time clock upon the initial installation.

To Set the Time of Day:

Press and hold the **CLOCK** key during the entire time setting procedure.

Press the **DAY** key until the correct day of the week is displayed
(i.e. **1** = Monday, **2** = Tuesday, etc.).

Press the **h** and **m** keys to set the time of day.
Note: Set clock to appropriate a.m. or p.m.

Release the **CLOCK** key and the colon between the hours and minutes will begin flashing.

Program the feeder and fill system starting/stopping times as outlined below.
Feeder running times are programmed on **Channel 1**.
Fill system running times are programmed on **Channel 2**.

Fill in the Time Clock Program Chart with the starting and stopping times for each operation. This will make it easier to set up the time clock for your operation.
The first row of times are an example for reference purposes only.

Time Clock Program Chart

◄——— Channel 1 ———►		◄——— Channel 2 ———►	
Feeder Starting Time	**Feeder Stopping Time**	**Fill System Starting Time**	**Fill System Stopping Time**
7:00 a.m.	*7:15 a.m.*	*7:00 a.m.*	*7:15 a.m.*

To Set a Start Time:

Press and release the **PROG** key. All seven days of the week will be displayed to indicate that the programmed start time will take place every day.

Press the **h** and **m** keys to set the starting hour and minute. Be sure to set to appropriate a.m. or p.m.

You can select to have either or both channels turn **ON** at the programmed time by pressing **HAND KEY 1** and/or **HAND KEY 2**. Pressing a **HAND KEY** once will cause the **ON** symbol to be displayed below the corresponding channel symbol (CH1 or CH2).

This completes the setting procedure for the first start time. See below to set the first stop time.

To Set a Stop Time:

Press and release the **PROG** key. All seven days of the week will be displayed to indicate that the programmed stop time will take place every day.

Press the **h** and **m** keys to set the stopping hour and minute. Be sure to set to appropriate a.m. or p.m.

You can select to have either or both channels turn **OFF** at the programmed time by pressing **HAND KEY1** and/or **HAND KEY 2**. Pressing a **HAND KEY** twice will cause the **OFF** symbol to be displayed below the corresponding channel symbol (**CH1** or **CH2**).

This completes the setting procedure for the first stop time.

Repeat the start and stop time setting procedure for each of the events specified on your Time Clock Program Chart.

Press the **CLOCK** key to exit the programming mode and return to the time of day.

To Review Your Program Settings:

Press and release the **PROG** key. The initial display will be the first programmed starting time.

Press and release the **PROG** key again and the display will show the first programmed stopping time.

Continue pressing the **PROG** key to view the remaining programmed events or press the **CLOCK** key to return to time of day.

To Change Your Program Settings:

Press and release the **PROG** key to toggle through the program until you reach the setting to be changed. Use the **h** and **m** keys to change the incorrect setting.

To Cancel a Single Program :

Follow the instructions TO *CHANGE YOUR PROGRAM SETTINGS* (above), except use the **h** and **m** keys to set the starting or stopping hour and minute to --:--. (**Note**: to change the display to --:--, first set the time to 11:59 PM, then press **h** and **m** once more). Press and release the **PROG** key, and the display will begin flashing. The programmed event will be deleted after a few seconds and the display will show the time of day.

Note: use the Manual Switches on the Control Panel to manually operate any part of the system. For normal operation, the time clock should be left in its **AUTO** mode. Using the manual override feature of the time clock is not recommended as this may cause the system to be locked on or off.

Refer to the time clock manufacturer's instruction for more detailed information!