

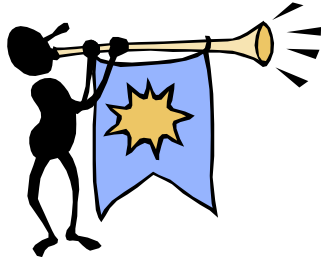
# MH-3000 QUICK SHIP SETUP MANUAL

# Start Here



Manual Version 1\_03\_C\_8

# Step 1. Your Quick Ship Controller



Your MH-3000-QS Control System was specifically designed to be a completely customizable and off-the-shelf hydraulic elevator control solution.

It includes the following popular features, voltage options and motor starting abilities:

- Maximum 6 landings (front openings only)
- Simplex Selective Collective Operation
- Interface for GAL MOD or MOVFR passenger door operators
- Door Contact Fault Monitoring
- Differential Car/Hall Door Time
- Independent Service
- Inspection Access; Top & Bottom
- Top of Car Inspection Operation
- Slow Speed Running on Inspection
- Car-to-Lobby Switch at Main Landing
- Flood Switch Operation
- Door Nudging for Infrared Curtain Unit
- 115VAC Signal/Control/Valve Voltages
- Illuminated Car & Hall Button Circuits
- Passing Gong Circuit
- Barrier Free Gong Circuit
- Position Indicator Circuit (line per floor; with blanking option)
- Direction Arrow Circuit
- Car Travel Lantern (selectable 1 stroke, 2 stroke gong program)
- Firemen's Service Phase I & II (1998, 2000 or 2004 ANSI A17.1, 1998 or 2001 Chicago, New York City or Canadian B44.1 Fire Codes)
- Shunt Trip Delay Interface Operation
- Low Oil Switch Operation
- Oil Viscosity (Churn) Operation
- EECO, Maxton or Equivalent Valve Interface
- Reverse Phase Relay
- 36"H x 36"W x 7"D NEMA 1 Wall Mountable Enclosure
- Wye-Delta Starting: Up to 30HP @ 208V; 40HP @ 230V; 50HP @ 480V
- UL / cUL Label
- TSSA Approved
- 208/230/240/460/480V-3Ph-60Hz Building Supply

## Step 2. Stop and Review the Following:

It is strongly recommend that you read this setup manual carefully before proceeding with the installation. Important information is highlighted by the headings WARNING, CAUTION, or NOTE and is defined as follows:

**WARNING - Warnings are used to indicate instructions which, if not followed correctly, will probably result in personal injury or substantial damage to equipment.**

**CAUTION - Cautions are used to indicate instructions or information which, if not observed, may result in some damage to equipment if care is not taken.**

**NOTE - Notes are used to indicate instructions or information which is especially helpful in understanding and operating the equipment, and which will usually speed up the installation process.**

The following general rules and safety precautions must be observed for the safe and reliable operation of your system.

**WARNING: The elevator controller must be installed by experienced field installation personnel. The field installation personnel must know and follow all the rules and regulations pertaining to the safe installation and running of elevators. Additional information for specific devices (such as the valves, door operator, etc.) is the responsibility of the manufacturers of those devices.**

**WARNING: This equipment is designed and built to comply with ANSI A17.1 and national electrical code and must be installed by a qualified contractor. It is the responsibility of the contractor to make sure that the final installation complies with all applicable local, state and national codes, and is installed safely.**

**WARNING: The 3 phase AC power supply to this equipment must come from a fused disconnect switch or circuit breaker which is sized in accordance with all applicable national, state and local electrical codes, in order to provide the necessary overload protection for the controller and motor. Incorrect motor branch circuit protection may create a hazardous condition.**

**WARNING: Proper grounding is vital for the safe operation of your system. Bring the ground wire to the ground stud that is labeled "GND" or "G1". You must choose the proper conductor size. See national electrical code article 250-95, or the related local applicable code.**

## Which Controllers does this manual apply to?

This manual applies specifically to Quick Ship Controllers with Software Version DS3CQ06. The general outline applies to all MH-3000 controllers, but the Bit Features and other settings may change with different software versions. Check the software version as described below, or compare the settings and features listed in this manual with the MH-3000 Settings sheet in the schematic.

## How Do I Identify The Controller Version

You can check the software version by pressing **Esc** from the Car Status screen. The Banner screen will be displayed which will be similar to the example shown below. The top line shows the date of the program in the form mmddyy, so that 021609 would be December 15th, 2009. The bottom line shows the hardware version (in the example below it is QS.1.3), and the software version (in the example below it is DS3CQ08).

A screenshot of a controller banner screen. The text is displayed on two lines. The top line reads 'vaControls021609' and the bottom line reads 'QS.1.3.DS3CQ08..'. The text is black on a yellow background, which is enclosed in a black rectangular border.

## Step 3. Follow these Guidelines

### Controller Mounting

Mount the controller in a location that provides:

- adequate support for the weight of the controller,
- adequate lighting for installation and maintenance,
- convenient access for the routing of required conduits and cables,
- convenient access to other devices in the machine room,
- a minimum of vibration (supply additional bracing or reinforcement if required).



### Controller Environment

For improved controller reliability:

- Keep the machine room clean. Do not install the controller in a dusty area.
- Do not install the controller in a carpeted area, or area where static electricity is a problem.
- Keep room temperature between 0°C to 50°C (32°F to 122°F), and 95% non-condensing relative humidity. Extended high temperatures will shorten the life of electronic components. Provide adequate ventilation or air-conditioning as required.
- Avoid condensation on the equipment by keeping the controller away from sources of condensation and water (such as open windows) as these can create a hazardous condition and can damage the equipment.
- Do not install the controller in a hazardous location and where excessive amounts of vapors or chemical fumes may be present.
- Make sure power line fluctuations are within  $\pm 10\%$ .
- High levels of radio frequency emissions may cause interference with the controller microprocessor, and produce unexpected and even dangerous results. This could be caused by hand-held communications devices used near the controller.

## Step 4. Wire up your controller



### Controller Grounding

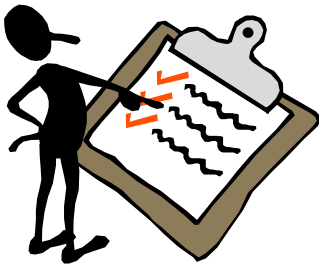
Grounding of the controller must conform to all applicable codes. Proper grounding is essential to the safe operation of the equipment. It will also reduce the likelihood of noise-induced problems, which could include CPU crashes, or I/O communication errors.

- The grounding wire should be sized per the applicable codes.
- Connect the ground to a good building ground, such as the structural steel of the building, or a cold water pipe.

### Car and Hoistway Wiring

Be sure to carefully review the schematics and field wiring diagrams before attempting to hook up your controller.

## Step 5. Check the basics before applying power



- Verify that the primary wiring of transformer CCXF matches your building supply voltage.
  - Verify that the primary wiring of transformer DOXF matches your building supply voltage.
  - Verify that the secondary wiring of transformer DOXF matches your door operator voltage requirement (see schematic sheet D).
- Verify that the phase monitor voltage matches your building supply voltage.

## Step 6. Apply power



- Remove all fuses from the controller. See table below for their description and sizes.
- Turn ON the Mainline Disconnect and measure the building supply voltage at F1A, F2A & F3A terminals.
- Turn OFF the Mainline Disconnect.
- Install fuses F1, F2 & F3.
- Turn ON the Mainline Disconnect
- Verify that the building supply voltage is present at F1B, F2B & F3B terminals.
- Verify that 115VAC is present across terminals F4A & 35.
- Turn OFF the Mainline Disconnect.
- Install fuses F4, F5 & F6.
- Turn ON the Mainline Disconnect and verify the following:
  - o 115VAC is present across terminals 1 & 35
  - o [With MOD Door] 115VAC is present across terminals AC1 & AC2
  - o [With MOVFR Door] 230VAC is present across terminals AC1 & AC2
- Turn OFF the Mainline Disconnect.
- Install fuse F9.
- Turn ON the Mainline Disconnect.

Fuse	Description	Size
F1, F2	Controller Mainline	6 Amp 600 Volt
F3	Controller Mainline	1 Amp 600 Volt
F4	AC supply	3 Amp 250 Volt
F5, F6	Door Operator supply	3 Amp 250 Volt
F9	Hall Common	1 Amp 250 Volt

### Fuse Description and Size

## Step 7. Prepare for Temporary Run

**NOTE: You can run the elevator on temporary run buttons without using the microprocessor, as described in the *MH-3000 User Manual* under "Temporary Run Connections".**

## Step 8. Setup Your Software



Unlike other Virginia Controls hydraulic elevator controllers you have purchased, this system requires you to initially configure the program to setup the features and functions you require.

When the microprocessor is powered up, the LCD display will show the Status Screen. The screen will be similar to that shown below:

```
INS  NoHC  PwrOK
1 DC    CLSD
```

## Reset Default Factory Settings (required)

**Note: This section should be done in all installations**

Press **Nxt** twice to show the menu selection for the Car Setup Menu.

```
Press ENTER to
GO TO SETUP MENU
```

Press **Ent**, and the Warning screen will be shown.

```
WARNING: PROGRAM
& CAR WILL STOP!
```

If it is safe to stop the car, press **Ent**.

The Setup Menu Banner will flash briefly,

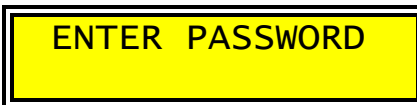


then the first Setup Menu selection will be shown. The first Setup Menu selection resets all settings to the factory default values.

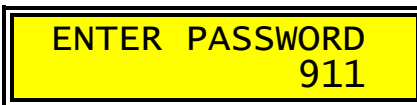


**If this is the first time you are setting up the controller, it is recommended that you reset all the settings, so that you are starting with known values, as shown on the MH3000 Settings sheet in the schematic.**

Press **Ent**. You will be asked to enter a password.



Press **9 1 1**.



Press **Ent**. A screen will briefly indicate all settings have been reset, then the Reset Settings screen will be shown again.

## Change Settings for Your Job (optional)

**Note: This section should be performed if the default settings do not match your job (number of landings, designated Fire Landings, etc.)**

Press **Nxt** to go to the Change Settings menu selection.

Press ENTER to  
CHANGE SETTINGS

Press **Ent** to enter the Change Settings submenu.

If you entered the password above, it is not necessary to enter it again. If you have not entered the password then you will see the screen shown above telling you to enter the password. In this case press **9** **1** **1** then **Ent**.

The first setting will be shown.

NUM.OF IO BOARDS  
4

This value is the number of Input/Output boards, and does not need to be changed.

Press **Nxt** to show the next setting.

NUMBER OF LDGS.  
2

If there are more than two landings, enter the number of landings then press **Ent**.

Press **Nxt** to show the next setting.

MAIN FIRE LDG..  
1

If the bottom landing is not the Main Fire Landing, press the number for the Main Fire Landing, then press **Ent**.

**NOTE: For all settings that involve selecting a landing, "1" corresponds to the bottom landing, "2" is the next landing, and so on. Do NOT use the building names.**

Press **Nxt** to show the next setting.

ALT. FIRE LDG..  
2

If the second landing is not the Alternate Fire Landing, press the number for the Alternate Fire Landing, and then press **Ent**.

Press **Nxt** to show the next setting.

HOME LANDING...  
1

If Homing is to be enabled, and the Home Landing is not the bottom landing, press the number for the Home Landing, and then press **Ent**.

Press **Nxt** to show the next setting.

FRONT DOOR CODE  
255

The Front Door Code selects which landings have front doors. A value of 255 enables the front doors at all floors. This value should not normally be changed.

Press **Nxt** to show the next setting.

REAR DOOR CODE.  
0

The Rear Door Code selects which landings have rear doors. A value of 0 disables rear doors. This value should not normally be changed.

If your job has front and rear doors, then the bit for the front door must be turned off and the bit for the rear door must be turned on. Use the table on the MH3000 Settings sheet in the schematic to calculate the proper value for these settings.

## Change Settings – Bit Features (optional)

The Bit Features allow the controller to be customized for your application. The most common features are pre-selected. You should review the factory settings and determine if any changes are required.

Press **Nxt** to show the next setting.

The top line will show the Bit Features number, and the bottom line shows the current value of this Bit Feature.

BIT FEATURES # 1
2

The Bit Features are binary coded values that combine a group of eight individual features into one setting. The breakdown for the value of each Bit Feature setting is shown here, and in the schematic on the Settings sheet. A description of the features is shown here and in the User Manual.

For each Bit Feature, read the description of the feature in the right column of the table below and determine whether the feature should be enabled. If it should be enabled, write the number found in the Value column in the Actual column (see the table below). Repeat this for all eight bits. Now add up the values in the Actual column and enter this value in the Actual Total box, and enter it as the new value of the Bit Feature. The default column shows the factory default setting.

To change a value, press the buttons for the new value and then press **Ent**. The screen will briefly flash a message that the new value was accepted, then redisplay the Bit Features number and its new value.

**Note: If you do not require 2000 Code, then change Bit Features #1 to "0"; Bit Feature # 3 to "5"; Bit Feature # 4 to "0".**

**Additional changes to other Bit Feature values may be required to provide other desired features.**

Actual	Default	Value	BIT FEATURES # 1
		1	Disable Fire Service - Turn this feature on to disable Fire Service. This feature should be turned on if Fire Service is not provided. It may also be turned on during initial installation, if the Smoke Sensors or Fire Switches have not yet been installed.
	2	2	Enable 2000+ ANSI Fire Code - Turn this feature on to enable 2000 or later (including 2004, 2005 or 2007) National Fire Code. If this feature is off then the controller will use 1998 ANSI Fire Code.
		4	Enable 2005+ ANSI Fire Code - Turn this feature on to enable 2005 or later (including 2007) National Fire Code. To use 2005 ANSI Fire Code you must also enable 2000+ ANSI Fire Code.
		8	Enable 2007+ ANSI Fire Code - Turn this feature on to enable 2007 or later National Fire Code. To use 2007 ANSI Fire Code you must also enable 2000+ and 2005+ ANSI Fire Code.
		16	Enable New York Fire Code - Turn this feature on to enable New York Fire Code.
		32	Enable 2001 Chicago Fire Code - Turn this feature on to enable 2001 Chicago Fire Code. The Fire Switches and Sensors must be connected as required by the appropriate Fire Code. Refer to the appropriate wiring diagrams in the schematic.
		64	Enable Canadian Fire Code - Turn this feature on to enable 1998 Canadian B44 Fire Code. The Fire Switches and Sensors must be connected as required by the appropriate Fire Code. Refer to the appropriate wiring diagrams in the schematic.
		128	Enable Bldg Fire Sw for 2000 Fire Code - Turn this feature on to enable the Remote Fire Sw on 2000 Fire Code.
	2	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Features # 1 and press **Ent**.

Press **Nxt** to show the next setting.

The screen will display the next setting and its current value.



Actual	Default	Value	BIT FEATURES # 2
		1	Kill Independent immediately on Fire Service
		2	No Timed Kill of Independent on Fire Service
		4	Never kill Independent on Fire Service
		8	Main Fire Landing at Rear Opening
		16	Alternate Fire Landing at Rear Opening
		32	Disable Shunt Trip on Fire Service Phase 2
		64	Enable Shunt Trip on Inspection
		128	Disable ECReturn Latch on 2000 Fire Code
	0	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 2 and press **Ent**.

Press **Nxt** to show the next setting.

**BIT FEATURES # 3**  
13

Actual	Default	Value	BIT FEATURES # 3
	1	1	Enable Pulsing Selector (off=Floor Sws)
		2	Enable Separate Call I/O (4 Wire Calls)
	4	4	Enable Door Check Feature
	8	8	Enable Redundancy Fault Checking. This should only be enabled if an MH5 board is used.
		16	Use Car Lantern outputs for Hall Lanterns
		32	Do Not Run On Fire Service and BORIS
		64	Do Not Run on Fire Service and Shutdown
		128	Allow Stop at Upper Floor on Shutdown
	13	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 3 and press **Ent**.

Press **Nxt** to show the next setting.

**BIT FEATURES # 4**  
112

Actual	Default	Value	BIT FEATURES # 4
		1	Enable CKO on Independent
		2	Fire Sensors are Normally Open Inputs
		4	Dir Indicators show actual direction on Attend.
		8	Med Emerg Buzzer on Independent only
	16	16	Enable Full Redundancy Fault Checking. This should only be enabled if an MH5 board is used.
	32	32	Always Enable DOB at Front Openings
	64	64	Always Enable DOB at Rear Openings
		128	Disable Non-Shutdown Faults in Fault Log
	112	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 4 and press **Ent**.

Press **Nxt** to show the next setting.

**BIT FEATURES # 5**  
40

Actual	Default	Value	BIT FEATURES # 5
		1	Flood Return Ldg is 3 (not 2)
		2	Flood Return Ldg is Top Ldg (not 2)
		4	Flood overrides Independent, Attendant, Med Emerg
	8	8	Flood overrides Shutdown (Low Oil, Rev. Phase, etc)
		16	Do Not Run on Flood and BORIS
	32	32	Do Not Run Down Below Main on Flood and Shutdown
		64	Fire Service Overrides Flood Operation
		128	Flood Operation Overrides Hall Fire Service
	40	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 5 and press **Ent**.

Press **Nxt** to show the next setting.

**BIT FEATURES # 6**  
48

Actual	Default	Value	BIT FEATURES # 6
		1	Enable Shunt Trip Feature. Turn this on to enable the Shunt Trip Input at Board 4 Input 13, and the Shunt Trip Output at Board 4 Output 15 (if there are less than 7 landings).
		2	Enable Low Oil Switch Feature. Turn this on to enable the Low Oil Sw Input at Board 2 Input 4.
		4	Disable Door Close on Inspection. Turn this on to prevent the door from closing automatically on Inspection. The doors must now be closed manually. If the doors are already closed, the Door Close Output will still energize while the car is running.
		8	Enable False Down Level on Fire Service. Turn this on to allow an automatic False Down Level if the car stops between floors on Fire Service Phase 2.
	16	16	Enable Flashing Hall Fire Light. Turn this on to allow the Hall Fire Light Output to flash when the Car Fire Light flashes (such as when the Machine Room Heat/Smoke Sensor trips).
	32	32	Enable Short Leveling Lockout on Down Run. Turn this on allow the Leveling Lockout to clear sooner in the down direction. This allows a longer delay in the up direction if required by the motor starter timing.
		64	Enable Park with the Doors Open. Turn this on to park with the doors open when there is no further demand for the elevator. This will apply to any landing. If the car should only park at the Main Ldg with the doors open, then enable Homing as well.
		128	Use Negative Pressure Input for Flood Sw. Enable if the Negative Pressure Sw is NOT used, and you want to use the input for the Flood Switch. You must also remove the factory jumper to the Negative Pressure Input.
	48	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 6 and press **Ent**.

Press **Nxt** to show the next setting.

**BIT FEATURES # 7**  
**0**

Actual	Default	Value	BIT FEATURES # 7
		1	Enable CKO Output. Turn this on to enable the CKO output at Board 3 Output 4.
		2	Enable PI Blanking Fire Output. Turn this on to enable the PI Blanking Fire Output at Board 3 Output 8.
		4	Enable Oil Viscosity Feature. Turn this on to enable the Oil Viscosity Input at Board 4 Input 15.
		8	Enable Rear Door Open Output. Turn this on to enable the Rear Door Open Output at Board 2 Output 8.
		16	Enable RD (RearDoor) Output. Turn this on to enable the RD (Rear Door) Output at Board 2 Output 8.
		32	Enable Car To Lobby Input. Turn this on to enable the Car to Lobby Input at Board 4 Input 14.
		64	Disable DISC Input (BORIS is not used). Turn this on to disable the 4th Pole Disconnect Input at Board 3 Input 7, and assign the Shutdown Output to Board 3 Output 4. NOTE: If Bit Feature 7 bit 1 is turned ON then Board 3 Output 4 will be assigned as the CKO output.
		128	Enable Nudging Output. Turn this on to enable the Nudging Output at Board 2 Output 8.
	0	TOTAL	Add up the values for each feature that you want to be on, then write down that value in the Actual Total box at the left, for your records, and enter it in the MH-3000.

Enter the total for Bit Feature # 7 and press **Ent**.

Press **Nxt** to show the next setting.

BIT FEATURES # 8  
0

This feature is not used. Leave the setting as "0"

Press **Nxt** to show the next setting.

BIT FEATURES # 9  
0

This feature is not used. Leave the setting as "0"

Press **Nxt** to show the next setting.

BIT FEATURES #10  
0

This feature is not used. Leave the setting as "0"

The remaining settings are for timer values, as described in the Used Manual and the MH-3000 Settings sheet in the schematic.

Proceed through each of the settings, making any changes required. Most settings can be left at the factory default. Use the chart below to record any changes.

## Summary of Settings

Review this table. It provides a summary of all the settings entered previously, and the rest of the adjustable settings available (such as Door Times).

If any values are to be changed, write the new value in the "Actual" column on the left.

**NOTE: Keep this sheet as a record of the settings for this job. If a Factory Reset is performed, the controller will need to be reset back to these settings.**

Actual	Default	Screen Display	Description
	4	NUM.OF IO BOARDS	Number Of IO Boards
	2	NUMBER OF LDGS.	Number Of Landings
	1	MAIN FIRE LDG..	Main Fire Landing
	2	ALT. FIRE LDG..	Alternate Fire Landing
	1	HOME LANDING...	Home Landing
	255	FRONT DOOR CODE	Front Door Code (See Above)
	0	REAR DOOR CODE.	Rear Door Code (See Above)
	2	BIT FEATURES # 1	Bit Features # 1 (See Above)
	0	BIT FEATURES # 2	Bit Features # 2 (See Above)
	13	BIT FEATURES # 3	Bit Features # 3 (See Above)
	112	BIT FEATURES # 4	Bit Features # 4 (See Above)
	40	BIT FEATURES # 5	Bit Features # 5 (See Above)
	48	BIT FEATURES # 6	Bit Features # 6 (See Above)
	0	BIT FEATURES # 7	Bit Features # 7 (See Above)
	0	BIT FEATURES # 8	Bit Features # 8 (See Above)
	0	BIT FEATURES # 9	Bit Features # 9 (See Above)
	0	BIT FEATURES #10	Bit Features # 10 (See Above)
	0	CUSTOM TIME #0.1	Custom Time # 0.1 - Not Used
	0	CUSTOM TIME #0.2	Custom Time # 0.2 - Not Used
	0	CUSTOM TIME #0.3	Custom Time # 0.3 - Not Used
	0	CUSTOM TIME #0.4	Custom Time # 0.4 - Not Used
	0	CUSTOM TIME #0.5	Custom Time # 0.5 - Not Used
			<b>0.1 SEC TIMERS</b>
	50	DOOR TIME, HALL	Door Time, Hall Calls
	30	DOOR TIME, CAR.	Door Time, Car Calls
	10	DOOR TIME, SHORT	Door Time, Shortened
	20	LEVELING LOCKOUT	Leveling Lockout
	15	CUSTOM TIME #1.1	Custom Time #1.1 - Reversal Delay
	0	CUSTOM TIME #1.2	Custom Time #1.2 - Not Used
	0	CUSTOM TIME #1.3	Custom Time #1.3 - Not Used
			<b>1.0 SEC TIMERS</b>
	25	SHUTDOWN TIME..	Shutdown Time (Adjust if desired)

Actual	Default	Screen Display	Description
	25	NUDGING TIME...	Nudging Delay
	20	EYE CUTOUT TIME	Electric Eye Cutout Time
	10	HOMING DELAY...	Homing Delay
	15	CAR STUCK TIME.	Car Stuck Time
	20	DOOR STUCK TIME	Door Stuck Time
	10	DOOR RESET TIME	Door Stuck Reset Time
	30	KILL IDS ON FIRE	Kill Independent On Fire Service
	30	DR CLOSE ON FIRE	Door Close on Fire Service
	30	CUSTOM TIME #2.1	Custom Time #2.1
	0	CUSTOM TIME #2.2	Custom Time #2.2
	0	CUSTOM TIME #2.3	Custom Time #2.3
			<b>10 SEC TIMERS</b>
	30	PI CUT OUT TIME	P.I. Cut Out Time (Set to "0" if the Position Indicators should stay on)
	30	CUSTOM TIME #3.1	Custom Time #3.1
	30	CUSTOM TIME #3.2	Custom Time #3.2
	0	CUSTOM TIME #3.3	Custom Time #3.3
			<b>Password Protected Settings</b>
	1	SPECIAL VALUE #1	Special Value 1
	0	SPECIAL VALUE #2	Special Value 2
	0	SPECIAL VALUE #3	Special Value 3
	0	SPECIAL VALUE #4	Special Value 4
	0	SPECIAL VALUE #5	Special Value 5

If you want to go back to a previous setting, press **Prv**.

After all the settings have been set, press **Esc** to return to the Setup Submenu.

## Change Features (optional)

Press **[Nxt]** to show the Change Features menu item.

Press ENTER to  
CHANGE FEATURES

Press **[Ent]** to enter the Change Features menu. Enter the password 911, if requested.

The first feature is shown on the top line, with the bottom line showing the current setting.

Review each feature, and if any need to be changed, press **[Nxt]** or **[Prv]** to get to the feature, then press **[Aux]** to toggle between DISABLED and ENABLED. Press **[Ent]** to accept the change.

NO SHORTDOORTIME  
DISABLED

**NOTE: Keep this sheet as a record of the settings for this job. If a Factory Reset is performed, the controller will need to be reset back to these settings.**

Actual	Default	Screen Display	Description
	Disabled	NO SHORTDOORTIME	Disable Shortened Door Time
	Disabled	TIMED EYE CUTOUT	Enable Timed E.Eye Cutout
	Disabled	DOOR NUDGING...	Enable Door Nudging
	Disabled	1 STROKE DN LANT	Enable 1 Stroke Down Lanterns
	Enabled	SLOW ON INSPECT	Slow Speed On Inspection
	Enabled	PROXIMITY DETECT	Enable Proximity Detector
	Disabled	SHORT FLOORS...	Enable Short Floor Circuitry
	Disabled	ENABLE HOMING..	Enable Homing
			<b><i>Password Protected Settings</i></b>
	Disabled	SPECIAL FEATURE1	Special Feature 1
	Disabled	SPECIAL FEATURE2	Special Feature 2
	Disabled	SPECIAL FEATURE3	Special Feature 3
	Disabled	SPECIAL FEATURE4	Special Feature 4
	Disabled	SPECIAL FEATURE5	Special Feature 5

**NOTE: See the MH-3000 User Manual for a complete description of each feature.**

When all features have been set, as desired, press **[Esc]** to return to the Setup Submenu.

## Set the TIME (required)

Press **Nxt** three times to go to the "Change the Time" submenu.

Press ENTER to  
CHANGE THE TIME

Press **Ent** to enter the Change the Time.

The current time is displayed, showing the time in 24hour format, along with the month, date, and year.

CURRENT TIME  
12:22 01/13/08

If these are correct, then press **Esc** to return to the Setup Menu.

If you want to change the time and/or date, then press any other key to continue with the next menu item.

You will be prompted to enter the year (00-99), month (1-12), date (1-31), hour (0-23), and minute (0-59).

ENTER YEAR 00-99  
08

In each case, press **Ent** to accept the current value, or enter the correct value then press **Ent**.

If an incorrect value is entered, just enter the correct value again, and press **Ent**. If you press **Esc** during this sequence, then the time and date will not be updated, and the display will return to the setup menu.

After all the data has been entered, the screen will display the new time and date, with the prompt "Enter to accept".

ENTER TO ACCEPT  
12:23 01/13/08

Press **Ent** to accept the values. At this point the new time and date will be accepted, and the seconds value will be set to zero. If you press **Esc**, then you will return to the setup menu without entering the new time and date.

## Return to the Run Mode

The software setup is now complete. Press **Esc** to return to the Run Mode.  
The display will show the Car Status screen.

INS	NoHC	PwrOK
1 DC		CLSD

