

## Menu 1 ► LIFTGATE INFO

### Screen 1 ► MODEL NUMBER

Model number of gate.

### Screen 2 ► SERIAL NUMBER

Serial number of gate.

### Screen 3 ► MANUFACTURE DATE

Date the gate was manufactured.

### Screen 4 ► HARDWARE

Hardware version of Maintenance Minder<sup>2</sup>®

### Screen 5 ► FIRMWARE

Firmware version of Maintenance Minder<sup>2</sup>®

### Screen 6 ► SOFTWARE

Software version of Maintenance Minder<sup>2</sup>®

### Screen 7 ► LIFT TYPE

Gate type PU / GD “power up/gravity down” or  
PU / PD “power up/power down”

## Menu 2 ► PERIOD INFO

### Screen 1 ► # LIFTS

Number of lifts made (left #) toward recommended  
number (right #) when maintenance is due.

### Screen 2 ► MOTOR ON (MIN)

Minutes motor has run during this maintenance  
period.

### Screen 3 ► SERVICE FAULTS

Number of lifts made past the recommended number  
of lifts during this maintenance period.

### Screen 4 ► LOW VOLTAGE FAULTS

Number of low voltage faults that have occurred  
during this maintenance period.

### Screen 5 ► MAX TIME FAULTS

Number of maximum run time faults that have  
occurred during this maintenance period.

### Screen 6 ► HIGH TEMP FAULTS

Number of high temperature faults that have  
occurred during this maintenance period.

### Screen 7 ► HIGH PRESS FAULTS

Number of high pressure faults (not currently used)  
that have occurred during this maintenance period.

### Screen 8 ► RESET ALL INFO HOLD RESET

This will reset all screens in menu 2 only back to  
zero. Perform this function once maintenance has  
been done. Consult manual for instructions on  
resetting. See other side for instructions.



# LEYMAN

## LIFT GATES

*Innovation. Service. Solutions.*



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# LEYMAN

## LIFT GATES

*Innovation. Service. Solutions.*

## Maintenance Minder<sup>2</sup>®

### Operating Guide

## Menus and Screens

How to navigate the menus and screens of the Maintenance Minder<sup>2</sup>®

1. Push the menu (MENU) key until you see

### **MENU 1 - LIFTGATE INFO**

2. You can now use the up (▲) or down (▼) arrow keys to scroll through the four different menus.

3. The four menus are as follows:

#### **Menu 1 ► LIFTGATE INFO**

General information about the gate.

#### **Menu 2 ► PERIOD INFO**

Information specific to the current maintenance period.

#### **Menu 3 ► LIFETIME INFO**

Information gathered during the lifetime of the gate.

#### **Menu 4 ► LAST LIFT INFO**

Information gathered during the last lift of the gate.

At any time while scrolling through the menus, you can push the ENTER (↵) key to get into the screens of that particular menu.

Once you have entered into a menu, use the up (▲) or down (▼) arrow keys to scroll through the screens of that particular menu.

## Menu 3 ► LIFETIME INFO

### **Screen 1 ► # LIFTS**

Number of lifts made during lifetime of gate.

### **Screen 2 ► MOTOR ON (MIN)**

Minutes motor has run during lifetime of gate.

### **Screen 3 ► SERVICE FAULTS**

Number of lifts made past the recommended number of lifts during lifetime of gate.

### **Screen 4 ► LOW VOLTAGE FAULTS**

Number of low voltage faults during lifetime of gate.

### **Screen 5 ► MAX TIME FAULTS**

Number of maximum run time faults during lifetime of gate.

### **Screen 6 ► HIGH TEMP FAULTS**

Number of high temperature faults during lifetime of gate.

### **Screen 7 ► HIGH PRESS FAULTS**

Number of high pressure faults (not currently used) during lifetime of gate.

### **Screen 8 ► RESET HISTORY - PRESS ENTER**

Reviews history for each maintenance interval. Press Enter, then arrow down. Screen shows period #, # number of lifts, and total run time in minutes.

## Menu 4 ► LAST LIFT INFO

### **Screen 1 ► SUPPLY VOLTAGE - V**

The voltage (right hand number) of the batteries before the last lift started, and the minimum voltage (left hand number) while the lift was being made.

### **Screen 2 ► MOTOR ON TIME - S**

Seconds the motor ran during the last lift.

### **Screen 3 ► WINDOW TIME - MS**

Minimum starting voltage is 10 volts. The Maintenance Minder<sup>2</sup>® has a time delay of 3 seconds allowing the voltage to drop between 6 and 8 volts for initial motor startup. Window time is in milliseconds (1000 milliseconds equals 1 second). This screen reads (in milliseconds) how long the voltage stayed between 6 and 8 volts during the last lift.

## AUDIBLE BEEP CODES

### **SERVICE FAULTS**

1 Beep, Lift gate has reached service interval. Gate will continue to run during this warning. Preventive maintenance should be done soon and Maintenance Minder<sup>2</sup>® reset. See below.

### **LOW VOLTAGE FAULTS**

2 Beeps, pause, 2 Beeps, pause, 2 Beeps, pause, 2 Beeps. Gate shuts down, resets automatically once voltage is brought back above 10 volts.

### **MAX TIME FAULTS**

3 Beeps, pause, 3 Beeps, pause, 3 Beeps, pause, 3 Beeps. Gate shuts down, resets automatically after beep code has finished.

### **HIGH TEMP FAULTS**

4 Beeps, pause, 4 Beeps, pause, 4 Beeps, pause, 4 Beeps. Gate shuts down, resets automatically after motor cools to operating temperature.

**Note:** Whenever the Maintenance Minder<sup>2</sup>® is giving beep codes, other than service faults, it does not allow the pump and motor to run.

### **RESETTING AFTER MAINTENANCE IS PERFORMED**

1. Go to MENU 2, hit "ENTER", and toggle down to the "Reset All Info" screen.
2. Press and hold the hidden RESET button under Maintenance Minder<sup>2</sup>® logo at top of faceplate.
3. Follow the instructions on the screen regarding a second button, which must be pressed to complete the reset operation.

**Note: Maintenance Minder<sup>2</sup>® is equipped with an anti-doorbell feature. If the switch is toggled on and off quickly, the gate will not run. Pause at least 1 second between switch operations to avoid doorbell. No fault code will be given.**