# Lift Master

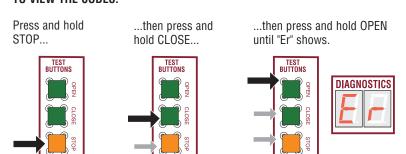
## **WARNING**

To reduce the risk of INJURY or DEATH:

- DISCONNECT power and battery BEFORE installing or servicing operator.
- · Replace ONLY with fuse of same type and rating.
- To be compliant with UL325 and industry safety guidelines, qualified monitored external entrapment protection devices such as photoelectric sensors or edge sensors are required to be installed with this operator at each entrapment zone. Use ONLY LiftMaster approved entrapment protection devices (refer to the accessory page of manual).
- See manual prior to servicing regarding maintenance and required safety testing.

### Diagnostic Codes

#### TO VIEW THE CODES:



The operator will show the code sequence number followed by the code number:



and going up to code "20"

A SECOND LATER....



**CODE SEQUENCE NUMBER** 

The first number shown is the most recent code (example: "01"). The display will show the sequence of codes that occurred starting with "01"

The second number shown after the code sequence number is the code itself (31-99, example" "31").

#### **CODE COLOR KEY:**

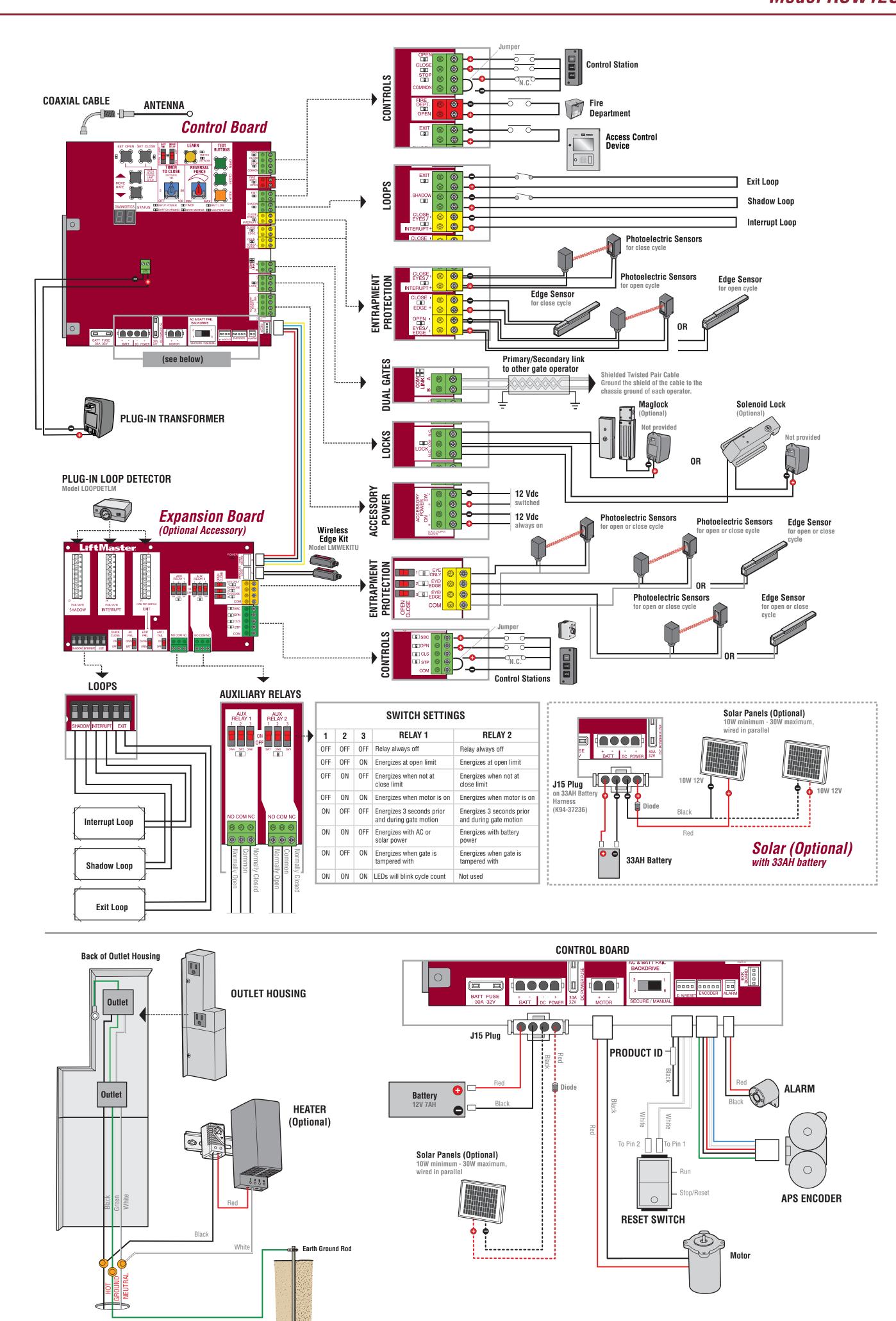
LiftMaster System

Installed System

Inherent Entrapment Protection

External Entrapment Protection

Main control board has experienced an internal place of the property of the pr	ODE	MEANING	SOLUTION
failure.  failur		Main control board has experienced an internal	Disconnect all power, wait 15 seconds, then
32 Linear Drive Disengaged (Arm 1) 33 Linear Drive Disengaged (Arm 2) 34 Absolute Position Encoder Error, not getting position for interest and an application of the position (Control of the position (Control of the position) of the positio	31	failure.	reconnect power (reboot). If issue continues replace main control board.
As a builde Problem Encoder Error, and getting position information from encoder 1 may be position in many and and estimation of the control in many and estimation of the control in many an	32	Linear Drive Disengaged (Arm 1)	Disengage then re-engage arm. Check wiring
position information from encoder   position information from encoder   position information from encoder   product ID Error     Wise the control bloard just replaced? If so, initis, enter initis dup mode and set limits, not, disconnect all power, wast 15 seconds, not, disconnect all power, wast 15 seconds, not, disconnect all power before replacing product IE inspect that are not product IE inspect that the product ID Failure   Product ID Fail	33	\$ \$ \ \ \ \ \ \	
Max-Run-Time Exceeded Error	34		
Product ID Error  Was the control board just replaced? If so, elimits, enter limit setup mode and set finition, and the control board just replaced? If so, elimits, enter limit setup mode and set finition, and the control board just replaced? If so, elimits, enter limit setup mode and set finition, and the control board just replaced? If so, elimits, enter limit setup mode and set finition, and setup setup.  Product ID Failure  Product ID Failure  Under the control board just replaced? If so, elimits, and setup setup setup setup setup. In the control board just replaced in the setup setup. In the control board just replaced in the setup setup setup. In the control board just replaced in the setup setup. In the setup setup setup setup. In the setup setup setup setup setup setup. In the setup setup setup setup setup setup setup setup setup. In the setup setup setup setup setup setup. In the setup setu	35	· ·	Check for an obstruction, then reprogram th
Product ID Failure		Product ID Error	
Product ID Failure  Product ID Failure  Product ID Failure  Unplug product ID harness than plug back in Inconnect all power, wait 15 seconds, then reconnect power before replacing product IC harness.  Hard Stop Limit (Arm 1)  Battery overvorlage  To much voltage on the battery chapter in the second of the reconnect power before replacing product IC harness.  All Battery overvorlage  To much voltage on the battery chapte harness feel of travel (re-adjust mounting).  Possible state to feel travel feel of travel (re-adjust mounting).  No battery at boot up  No battery at		Troduct is Ellor	limits, enter limit setup mode and set limits.
Product ID Failure  Unplug product ID harness then rilip back in bioconnect all power, walt 15 seconds, then reconnect power before replacing product If harness.  Hard Stop Limit (Arm 1)  Battery overvoltage  Battery overvoltage  Too much voltage on the battery. Check hard Make sure there is NIOT a 24V battery on a 1 system.  No battery at boot up  State of the battery on a 24V system.  No battery at boot up  No battery at boot up  State of the battery on a 24V system.  State of the battery on a 1 system.  No battery at boot up  No battery at boot up  State of the battery on a 24V system.  State of the battery on a 24V system.  State of the battery on a 1 system.  State of the battery on a 24V sys	36		
Disconnect all power, wast 15 seconds, then connect power before replacing product If harness.  Hard Stop Limit (Arm 1)  Battery overvoltage  Battery overvoltage  Battery overvoltage  To much voltage on the battery. Check harness. Make sure the part of system.  No battery at boot up  No battery at boot up  No battery at boot up  Replace batteries of depleted to less hard system.  Standard Loop Error  Stan		Duadriat ID Failura	
Hard Stop Limit (Arm 1)  Battery overvoltage  Battery overvoltage  Too much voltage on the battery. Check harm Makes sure there is NOT a 24V statery on a 1 system.  Battery overvoltage  No battery at boot up  No battery at loop Error  Inferrupt Loop Error  Inferrupt Loop Error  No battery loop Error  Inferrupt Loop Error  No battery loop Error  Inferrupt Loop Error  No battery loop Error  No battery loop Error  No battery loop Error  Inferrupt Loop Error  No battery loop Error	37	Product ID Fallure	Disconnect all power, wait 15 seconds, then
## Battery overvoltage ## Passible short of the battery. Check harm Make sure there is NOT a 24' by battery on a 1 system.  ## Passible short of the battery charge harmses Check harmess. Make sure you do NOT have 12' battery on a 24' system.  ## Battery overvoltage ## Dattery at boot up ## Passible short of the battery charge harmses Check harmess. Make sure you do NOT have 12' battery on a 24' system.  ## Battery connections and installation. ## Replace batteries if depleted to less than 20' a 24' system or less than 10' on a 12' by system.  ## Battery Loop Error ## Battery Connections and installation. May be 3 always system.  ## Battery overvaling Loop Control Communication Error ## Battery Connections and installation of a level surface if the 10' sharp by 3 always system in the 10' sharp by 3 always system in 10' loop. ## Battery connections and installation of a level surface if the 10' sharp by 3 always system in 10' loop. ## Battery connections and installation of a level surface if the 10' loop. ## Battery Connections and installation of a level surface if the 10' loop. ## Battery connections and installation of a level surface if the 10' loop. ## Battery connections and installation of a level surface if the 10' loop. ## Battery connections and installation of a level surface is the 10' loop. ## Battery connections and installation of a level surface is the 10' loop. ## Battery connections and installation of a level surface is the 10' loop. ## Battery connection in 10' loop. ## Battery connections and installation of a	01		
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Battery overcurrent    Possible short of the battery charge harmes in Not 24V battery on a 24V system. Check harmes. Make sure upon do Not Thave 12V battery on a 24V system. Check harmes. Make sure upon do Not Thave 12V battery on a 24V system or less than 10V on a 12V systam. Check harmes made in less than 20V and 24V system or less than 10V on a 12V systam. Check harmes made in less than 20V and 24V system or less than 10V on a 12V systam. Check harmes made in less than 20V and 24V system or less than 10V on a 12V systam. Check harmes in Not 3 single 12V battery on 24V system. Check harmes in Not 3 single 12V battery on a 24V system. Check harmes in Not 3 single 12V battery on a 24V system. Check wire on less than 10V on a 12V systam. Check wire on less than 20V and 12V systam. Check wire on less than 10V on a 12V systam. Check wire on less than 10V on a 12V systam. Check wire on less than 20V and 12V systam. Check wire on less than 20V and 12V battery on a 24V system. Check wire on single (SHORT or OPEN - 24V system. Check wire on less than 20V and 12V systam. Check wire on single (SHORT or OPEN - 24V system. Check wire special and investor on some special standard on an excessive grade.    Pass-point not detected (Arm 2)	39	Hard Stop Limit (Arm 2)	
System.   Possible short of the battery charge harness Check harness. Make sure you do NOT have 12V battery on 24V system or 24V system.		Battery overvoltage	Too much voltage on the battery. Check harr
No battery at boot up  Replace batteries if depleted to less than 204 on a 12V system. Replace batteries if depleted to less than 204 on a 12V system. Replace batteries if depleted to less than 204 on a 12V system. Replace batteries if depleted to less than 204 on a 12V system. Replace batteries if depleted to less than 204 on a 12V system. Replace batteries in Wireless 18V DT a single 12V battery 24V system. Replace on missing loop (SHORT or OPEN LIftMaster Plug-in Loop Detector only) Chee copy wing throughout connection. May be a short in the loop, or an open connection in those. Pass-point not detected (Arm 1)  Run-Distance Error  Replace batteries in wireless edge. Gate unbalance detected. Make sure the gate installed on a level surface and not on an excessive grade.  Pass-point not detected (Arm 2)  Pass-point not detected (Arm 2)  Rownout occurred  Wireless Second Operator Communication Error  Wireless Second Operator Communication Error  Minimum number of monitored entrapment protection devices not installed.  CLOSE EVERINTERRUPT held more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EVERINTERRUPT held more than 3 minutes  CLOSE EVERINTERRUPT held more than 3 minutes  CLOSE EVERINTERRUPT regered causing reversal, preventing close, or resetting TTC  CLOSE EDGE friggered, causing reversal, preventing close, or canceling TTC  CLOSE EDGE friggered, causing reversal or preventing close, or canceling TTC  CLOSE EDGE friggered, causing reversal or preventing close, or canceling TTC  CLOSE EDGE friggered, causing reversal or preventing close, or canceling TTC  CLOSE EDGE friggered, causing reversal or preventing close, or canceling TTC  CLOSE EDGE friggered, causing reversal or preventing close, or canceling TTC  CLOSE	40		
No battery at boot up  No battery at boot up  No battery at boot up  Robert Loop Error  Shadow Loop Error  Wireless edge battery low  Run-Distance Error  Run-Distance	44	Battery overcurrent	Possible short of the battery charge harness
Replace batteries if depleted to less than 20 a 24V system or less than 10 vo a 12V system or less than 20 vo a limit or less than 20 vo a limit or less than 20 vo and per connection in the 10 vo voice of the 10 vo voice or less than 20 voice o	41		
24V system or less than 10V on a 12V sys Make sure there is NOT a single 12V battery 14Shadow Loop Error 15Interrupt Loop Error 15UritiMaster Plug-in Loop Detector only) Chee 15Op Wireless edge battery low 15Op Pass-point not detected (Arm 1) 151 Pass-point not detected (Arm 2) 152 Pass-point not detected (Arm 2) 153 Brownout occurred 154 Wireless Second Operator Communication Error 155 Pass-point not detected (Arm 2) 156 Pass-point not detected (Arm 2) 157 According to the second operator second perator communication Error 158 Brownout occurred 159 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm 2) 151 Pass-point not detected (Arm 2) 152 Pass-point not detected (Arm 2) 153 Pass-point not detected (Arm 2) 154 Pass-point not detected (Arm 2) 155 Pass-point not detected (Arm 2) 156 Pass-point not detected (Arm 2) 157 Pass-point not detected (Arm 2) 158 Pownout occurred 159 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm 2) 151 Pass-point not detected (Arm 2) 152 Pass-point not detected (Arm 2) 153 Pass-point not detected (Arm 2) 154 Pass-point not detected (Arm 2) 155 Pass-point not detected (Arm 2) 155 Pass-point not detected (Arm 2) 156 Pass-point not detected (Arm 2) 157 Pass-point not detected (Arm 2) 158 Pass-point not detected (Arm 2) 159 Pass-point not detected (Arm 2) 150 Pass-point not detected (Arm		No battery at boot up	Check battery connections and installation.
24	42		a 24V system or less than 10V on a 12V sys
Exit Loop Error   Shadow			
Minimum number of monitored entrapment protection devices not installed.	43	Exit Loop Error	Failure or missing loop (SHORT or OPEN -
Interrupt Loop Error   Short in the loop, or an open connection in toop.	44	'	
Replace batteries in wireless edge.  Run-Distance Error  Gate unbalance detected. Make sure the gate installed on a level surbace and not on an excessive grade.  Pass-point not detected (Arm 1)  Pass-point not detected (Arm 2)  Brownout occurred  AC/DC board supply dipped below allowable level. Review power supply and wiring. If irebooting, ensure enough time for discharge power to force a fresh boot.  Check the second operator rop operator force in the form of the composition of the vireless feature and reprogram the second operator. Check the second operator for power, if OFF composition devices not installed.  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes of close EDGE held more than 3 minutes.  CLOSE EDGE held more than 3 minutes.  CLOSE EYE/EDGE held more than 3 minutes.  CLOSE EYE/EDGE held more than 3 minutes.  CLOSE EYE/EDGE held more than 3 minutes.  Wireless edge triggered more than 3 minutes.  Wireless edge triggered more than 3 minutes.  CLOSE EYE/EDGE held more than 3 minutes.  Wireless edge triggered more than 3 minutes.  CLOSE EYE/EDGE held more than 3 minutes.  Check wirel input on expansion board; chec alignment or obstruction.  Check wirel input on expansion board; chec alignment or obstruction.  Check wirel input on expansion board; chec alignment or obstruction.  Check wireless edge inputs.  Check wireless	45	Interrupt Loop Error	short in the loop, or an open connection in t
Run-Distance Error  Gate unbalance detected. Make sure the gate installed on a level surface and not on an excessive grade.  Pass-point not detected (Arm 1)  Pass-point not detected (Arm 2)  Brownout occurred  Wireless Second Operator Communication Error  Wireless Second Operator Communication Error  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more tha	46	Wireless edge battery low	'
## Exas-point not detected (Arm 1) ## Check yellow pass-point wring. If limits are accurate, reprogram.  ## Check yellow pass-point wring. If limits are accurate, reprogram.  ## AC/DC board supply dipped below allowable level. Review power supply and wring. If rebooting, ensure enough time for discharge power to force a fresh boot.  ## Wireless Second Operator Communication Error  ## Wireless Second Operator Communication Error  ## Wireless Second Operator Communication Error  ## Minimum number of monitored entrapment protection devices not installed.  ## Minimum number of monitored entrapment protection devices not installed.  ## Minimum number of monitored entrapment protection devices not installed.  ## Minimum number of monitored entrapment protection devices not installed.  ## CLOSE EYE/INTERRUPT held more than 3 minutes  ## CLOSE EDGE held more than 3 minutes  ## Mireless EDGE held more than 3 minutes  ## Wireless edge Irigered more than 3 minut			Gate unbalance detected. Make sure the gate
Pass-point not detected (Arm 1) Pass-point not detected (Arm 2) Pass-point not detected (Arm 2)  Brownout occurred  Wireless Second Operator Communication Error  Wireless Second Operator Communication Error  Minimum number of monitored entrapment protection devices not installed.  Close EVE/INTERRUPT held more than 3 minutes  Wireless edge triggered more than 3 minutes  OPEN EVE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EVE/INTERRUPT high more than 3 minutes  CLOSE EVE/INTERRUPT riggered, causing reversal, preventing close, or cancelling TTC  CLOSE EDGE triggered, causing reversal or preventing close, or cancelling TTC  CLOSE EVE/EDGE triggered, causing reversal, preventing close, or cancelling TTC  CLOSE EVE/EDGE triggered, causing reversal or preventing opening  CLOSE EVE/EDGE triggered, causing reversal or preventing opening  CLOSE EVE/EDGE triggered, causing reversal or preventing opening  CLOSE input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Por experiting opening  RPM / STALL Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Force Reversal (Operator 2)  Fo	50		
Brownout occurred  AC/DC board supply dipped below allowable level. Review power supply and wring, if rebooting, ensure enough time for discharge power to force a fresh boot.  Check the second operator for power. If OFF restore power and try to run the system. If powered, deactivate the wireless feature and reprogram the second operator or power. If OFF restore power and try to run the system. If powered, deactivate the wireless feature and reprogram the second operator for power. If OFF restore power and try to run the system. If powered, deactivate the wireless feature and reprogram the second operator.  Review monitored entrapment protection de conclusions. This swing gate operator will operate only after installation of a minimum one external safety device in either the open close direction.  CLOSE EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Wireless edge triggered more than 3 minutes  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal and preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE input (EYE/EDGE) communication fault from other operator  CLOSE input (EYE/EDGE) communication fault from other operator  CLOSE input (EYE/EDGE) communication fault from other operator  To open input (EYE/EDGE) communication fault from other operator  Non-monitored check edetected on the wireless safety system  Non-monitored contact closure devices are supported. Make sure connected devices are monitored. Ch	51	Pass-point not detected (Arm 1)	
Wireless Second Operator Communication Error  Wireless Second Operator Communication Error  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered are causing reversal, preventing close, or cancelling TTC  CLOSE EYE/EDGE riggered, causing reversal or preventing close, or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  DPEN EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  DPEN EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  To OPEN EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  To OPEN EYE/EDGE triggered, causing reversal or preventing close or cancelling TTC  To OPEN EYE/EDGE triggered, causing reversal or preventing close or cancelli	52		
Wireless Second Operator Communication Error  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes of close direction.  CLOSE EDGE held more than 3 minutes  CLOSE EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check wired input for wiring issue or obstruction.  Check wired input on expansion board; check wired input for wiring issue or obstruction did NOT occur, check inputs, wiring.  IF an obstruction occurred, no action require an obstruction did NOT occur, check inputs, wiring.  CLOSE EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communicati	53	Brownout occurred	
Wireless Second Operator Communication Error cestore power and try to run the system. If powered, deactivate the wireless seature and reprogram the second operator.  Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes external safety device in either the open close direction.  CLOSE EDGE held more than 3 minutes  CLOSE EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Check wirel input on expansion board; chec alignment or obstruction.  Check wirel input on expansion board; chec alignment or obstruction.  Check wireless edge inputs.  Wireless edge loss of monitoring  Check wireless edge inputs.  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or canceling TTC  CLOSE EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (e			rebooting, ensure enough time for discharge
Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  Review monitored entrapment protection devices not installed.  Review monitored entrapment protection devices not installed.  Review monitored entrapment protection devicence in the protection devices on the connections. This swing gate operator will operate only after installation of a minimum one external safety device in either the open close direction.  CLOSE EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Wireless edge loss of monitoring  Check wired input for wiring issue or obstruction.  Check wired input for wiring issue or obstruction.  Check wired input for wiring issue or obstruction occurred, no action require an obstruction occurred, no action require an obstruction occurred, no action require an obstruction odi NOT occur, check inputs, and wiring on main control board.  CLOSE EYE/INTERRUPT triggered, causing reversal preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE communication fault from other operator  Close input (EYE/EDGE) communicatio		Wireless Second Operator Communication Error	Check the second operator for power. If OFF,
Minimum number of monitored entrapment protection devices not installed.  Minimum number of monitored entrapment protection devices not installed.  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Wireless edge loss of monitoring  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or canceling TTC  CLOSE EYE/INTERRUPT triggered, causing reversal preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or canceling TTC  CLOSE EYE/EDGE c	54		
protection devices not installed.  connections. This swing gate operator will operate only after installation of a minimum one external safety device in either the open close direction.  CLOSE EYE/INTERRUPT held more than 3 minutes  OPEN EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  Check wired input for wiring issue or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input for wiring issue or obstruction.  If an obstruction did NOT occur, check alignment or obstruction did NOT occur, check alignment			reprogram the second operator.
operate only after installation of a minimum one external safety device in either the open close direction.  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/IDGE held more than 3 minutes  OPEN EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input on expansion board; check alignment or obstruction.  Check wired input or expansion board; check alignment or obstruction occurred, no action require an obstruction occurred, no action require inputs, and wiring on main control board.  If an obstruction occurred, no action require an obstruction occurred, no action requi	60		Review monitored entrapment protection dev connections. This swing gate operator will
CLOSE EYE/INTERRUPT held more than 3 minutes  OPEN EYE/EDGE held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge triggered more than 3 minutes  Check wired input on expansion board; chec alignment or obstruction.  Check wired input on expansion board; chec alignment or obstruction.  Check wirel input for wiring issue or obstruction.  Check wireless edge inputs.  IF an obstruction occurred, no action require an obstruction did NOT occur, check alignment or obstruction.  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal and preventing close, or resetting TTC  PEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitor			operate only after installation of a minimum
close Eye/Interrupt riggered, causing reversal, preventing close, or resetting TTC close Eye/Interrupt riggered, causing reversal, preventing close, or resetting TTC close Eye/Interrupt riggered, causing reversal, preventing close, or resetting TTC close Eye/Interrupt riggered, causing reversal, preventing close, or canceling TTC close Eye/Interrupt riggered, causing reversal, preventing close, or canceling TTC close Eye/Interrupt riggered, causing reversal, preventing close, or canceling TTC close Eye/Interrupt riggered, causing reversal, preventing close, or canceling TTC close Eye/Interrupt riggered, causing reversal, preventing close, or canceling TTC close Eye/Interrupt riggered, causing reversal or preventing opening close input (Eye/EDGE) communication fault (expansion board) close input (expansion board) close input (expersal (Operator 1) close input (expersal (Operator 2) close input (expersal (Oper			close direction.
CLOSE EYE/INTERRUPT held more than 3 minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal or preventing close, or resetting TTC  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  CLOSE input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Torce Reversal (Operator 1)  Force Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Force Reversal (Operator 2)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. Replace in put the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in put to the machanical assembly is engaged and free to move. Replace in the macha	61		
CLOSE EYE/INTERRUPT held more than 3 minutes  OPEN EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Check wireless edge input on expansion board; check alignment or obstruction.  Check wireless edge input for wiring issue or obstruction.  Check wireless edge input for wiring issue or obstruction.  Check wireless edge input for wiring issue or obstruction occurred, no action require an obstruction occurred, no action require an obstruction occurred, no action require an obstruction of NOT occur, check alignment or obstruction occurred, no action require an obstruction occurred, no action require an obstruction of NOT occur, check alignment or obstruction occurred, no action require an obstruction occurred, no action require an obstruction of NOT occur, check alignment or obstruction occurred, no action require an obstruction occurred, no action require an obstruction of NOT occur, check alignment or obstruction occurred, no action require an obstruction occurred, no action require an obstruction od NOT occur, check alignment or obstruction.  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Open input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Force Reversal (Operator 1)  Force Reversal (Operator 1)  Force Reversal (Operator 2)  Check for obstruction. If no obstruction, che the operator writing and that the mechanical assembly is engaged and free to move. Repl	62		]
minutes  CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Wireless edge triggered  Wireless edge triggered  Tan obstruction occurred, no action require an obstruction did NOT occur, check inputs wiring.  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal, preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal, preventing close, or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Check the connections between the main board the expansion board.  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Porce Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  All preventing one than 3 minutes obstruction.  Check for obstruction Test in the mar free to move. See section on Limit and Force Adjustment, and Obstruction, che the operator wring and that the mechanical assembly is engaged and free to move. Replaced and resistive end cap connection.	63		
CLOSE EYE/EDGE held more than 3 minutes  Wireless edge triggered more than 3 minutes  Wireless edge loss of monitoring  Wireless edge loss of monitoring  Check wireless edge inputs.  IF an obstruction occurred, no action require an obstruction did NOT occur, check inputs wiring.  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or or canceling TTC  PEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal and preventing close, or resetting TTC  OPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Check the connections between the main board the expansion board.  Non-monitored device detected on the wireless safety system  RPM / STALL Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Fan obstruction occurred, no action require an obstruction occurred, no action require an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  Fan obstruction occurred, no action require an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  Fan obstruction occurred, no action require an obstruction occurred, no action require an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  Check inputs and obstruction occurred, no action require an obstru	64		
Wireless edge triggered more than 3 minutes Wireless edge loss of monitoring Wireless edge loss of monitoring CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC CLOSE EYE/EDGE triggered, causing reversal, preventing close, or canceling TTC CDESE EYE/EDGE triggered, causing reversal or preventing opening CLOSE EYE/EDGE triggered, causing reversal or preventing close or canceling TTC CLOSE EYE/EDGE triggered, causing reversal or preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  PPEN EYE/EDGE triggered, causing reversal or preventing opening Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are supported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Proce Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Check for obstruction id NOT occur, check alignmi inputs, and wiring on main control board.  Check inputs and communication method between operators, either wired bus or radio Ensure operator is powered. May have to era the wireless sommunication and reprogram two operators.  Check the connections between the main board and the expansion board.  Check for obstruction. If no obstruction, check alignmi inputs, and wiring on main control board.  Check deges for proper orientation and reprogram two operators.  Check for obstruction if no obstruction, check alignmi inputs, and wiring on main control bo	65		]
Wireless edge loss of monitoring  Wireless edge triggered  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing close, or canceling TTC  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal and preventing close, or resetting TTC  COPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored Check deges for proper orientation and resistive end cap connection.  Non-monitored Check deges for proper orientation and resistive end cap connection. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar assembly is engaged and free to move. Repl	66		
Wireless edge loss of monitoring  Wireless edge triggered  Wireless edge triggered  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  COPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/FDGE triggered, causing reversal or preventing opening  CLOSE EYE/FDGE triggered, causing reversal and preventing close, or resetting TTC  CLOSE EYE/FDGE triggered, causing reversal and preventing close, or resetting TTC  CLOSE EYE/FDGE triggered, causing reversal and preventing close or canceling TTC  DPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are resupported. Make sure	67	wireless edge triggered more than 3 minutes	
an obstruction did NOT occur, check inputs wiring.  CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  PEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/EDGE triggered, causing reversal and preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  PEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Porce Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  An obstruction occurred, no action require an obstruction device dan obstruction fault (Expansion board)  Check inputs, and wiring on main control board.  IF an obstruction occurred, no action require an obstruction occurred, no action require an obstruction occurred, no action require an obstruction occurred,	68	Wireless edge loss of monitoring	
CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless afety system  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Wiring.  IF an obstruction occurred, no action require an obstruction device an obstruction occurred, no action require an obstruction device and obstruction devices are an obstruction occurred, no action require an obstruction device and obstruction obstruction device an	60	Wireless edge triggered	
reversal, preventing close, or resetting TTC  CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  An obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme inputs, and wiring on main control board.  IF an obstruction did NOT occur, check alignme in puts, and wiring on main control board.  IF an obstruction did NOT occur, check alignme in puts and obstruction devices are nontrol puts and viring on an anterior occursed on expansion board.  Check inputs and	05		
CLOSE EDGE triggered, causing reversal, preventing close, or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or reversal, preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  DPEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Era obstruction occurred, no action require an obstruction occurred, no action require an obstruction occurred, no action require an obstruction did NOT occur, check alignme inputs, and wiring on expansion board.  Fran obstruction did NOT occur, check alignme inputs, and wiring on expansion board.  Check inputs and communication method between operators, either wired bus or radio Ensure operators,	70		
preventing close, or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  CLOSE EYE/INTERRUPT triggered, causing reversal or reversal, preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Proce Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Force Reversal operator 2  RPM / STALL Reversal (Operator 2)	71		
CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  PEN EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  PEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Fina obstruction occurred, no action require an obstruction did NOT occur, check alignma inputs, and wiring on expansion board.  Check inputs and communication method between operators, either wired bus or radio Ensure operator is powered. May have to era the wireless communication and reprogram two operators.  Check the connections between the main boand the expansion board.  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction. Test in the mar the operator wiring and that the mechanical assembly is engaged and free to move. Repl	/1	preventing close, or canceling TTC	
CLOSE EYE/INTERRUPT triggered, causing reversal, preventing close, or resetting TTC  CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  DPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are result of the communication of the communication operator.  Non-monitored contact closure devices are result of the communication operator.  Non-monitored contact closure devices are result operator in the communication operator.  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction. Test in the mare seemed assembly is engaged and free to move. Replication is engaged and free to move.	72		
CLOSE EYE/EDGE triggered, causing reversal and preventing close or canceling TTC  OPEN EYE/EDGE triggered, causing reversal or preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  An obstruction did NU1 occur, check alignme inputs, and wiring on expansion board.  Check inputs and communication method between operators, either wireless communication and reprogram two operators.  Check the connections between the main board the expansion board.  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See See Section on Limit and Force Adjustment and Force Adjustment and Force Adjustment and Force Adjustment and Force	73	CLOSE EYE/INTERRUPT triggered, causing	
75 OPEN EYE/EDGE triggered, causing reversal or preventing opening  80 Close input (EYE/EDGE) communication fault from other operator  81 Open input (EYE/EDGE) communication fault from other operator  82 Close input (EYE/EDGE) communication fault from other operator  83 Close input (EYE/EDGE) communication fault (expansion board)  84 Close input (EYE/EDGE) communication fault (expansion board)  85 Close input (EYE/EDGE) communication fault (expansion board)  86 Non-monitored device detected on the wireless safety system  87 Non-monitored device detected on the wireless safety system  88 Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  88 Close input (EYE/EDGE) communication fault (expansion board)  89 Non-monitored device detected on the wireless safety system  89 Non-monitored contact closure devices are monitored. Check edges for proper orientation and resistive end cap connection.  89 Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar free to move. See section on Limit and force Adjustment, and Obstruction. Test in the mar free to move. Repl is engaged and free to move. Repl			
Preventing opening  Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Proce Reversal (Operator 1)  Force Reversal (Operator 2)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction. Test in the mar RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Check for obstruction. If no obstruction, che the operator wiring and that the mechanical assembly is engaged and free to move. Repl	74	and preventing close or canceling TTC	
Close input (EYE/EDGE) communication fault from other operator  Open input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resuported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Check for obstruction. If no obstruction, che the operator wiring and that the mechanical assembly is engaged and free to move. Repl	75		
from other operator  Open input (EYE/EDGE) communication fault from other operator  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Close input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar the operator wiring and that the mechanical assembly is engaged and free to move. Repl	80	Close input (EYE/EDGE) communication fault	
the wireless communication and reprogram two operators.  Close input (EYE/EDGE) communication fault (expansion board)  Check the connections between the main bo and the expansion board.  Check the connections between the main bo and the expansion board.  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are a supported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged an free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar and the expansion board.	00	from other operator	
Close input (EYE/EDGE) communication fault (expansion board)  Open input (EYE/EDGE) communication fault (expansion board)  Non-monitored device detected on the wireless safety system  Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are rouncitored. Check edges for proper orientatic and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the mar Check for obstruction. If no obstruction, che the operator wiring and that the mechanical assembly is engaged and free to move. Repl	81		the wireless communication and reprogram
(expansion board)   and the expansion board.		·	
Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are resupported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)	82		
Non-monitored device detected on the wireless safety system  Non-monitored contact closure devices are monitored. Check edges for proper orientatic and resistive end cap connection.  Force Reversal (Operator 1)  Check for obstruction. If no obstruction, che that the mechanical assembly is engaged and free to move. See section on Limit and Force Adjustment, and Obstruction Test in the man RPM / STALL Reversal (Operator 2)	83		
safety system  supported. Make sure connected devices are monitored. Check edges for proper orientation and resistive end cap connection.  Force Reversal (Operator 1)  Force Reversal (Operator 2)  RPM / STALL Reversal (Operator 1)  RPM / STALL Reversal (Operator 2)  STALL Reversal (Operator 2)  STALL Reversal (Operator 2)  RPM / STALL Reversal (Operator 2)	84	, ,	Non-monitored contact closure devices are r
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PM / STALL Reversal (Operator 1) Check for obstruction. If no obstruction, che the operator wiring and that the mechanical assembly is engaged and free to move. Repl	92	Force Reversal (Uperator 2)	free to move. See section on Limit and Force
RPM / STALL Reversal (Operator 2) the operator wiring and that the mechanical assembly is engaged and free to move. Repl	93	RPM / STALL Reversal (Operator 1)	
assembly is engaged and free to move. Repla			the operator wiring and that the mechanical
	94	(	assembly is engaged and free to move. Repla APE assembly.



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