

## H4.05 Displays and Logs (11/06/2004)

### LCD Messages

H4.05 – current version

STOP

OPEN

CLOS

ENTR\* (corresponding log of all IES events)

SAFE\* (corresponding log of all GEBs and IES events that stop gate)

PEO\* (corresponding log if stops gate)

PEC\* (corresponding log if stops gate)

GEB\* (corresponding log if stops gate)

IES - IES was active (used only in learn limit, not logged in learn limit)

LOC - power lock open or close

BAT DEAD\* (corresponding log)

LO24

NOAC\* (corresponding log after 1 minute on DC gates without solar charger)

LERN OPEN or CLOS

TOO LONG - Gate too wide (in learn mode)

TOO SHRT – Gate too short (in learn mode)

ELD – seen if preventing a gate command

IOLD - “ “ “ “ “ “

OOLD - “ “ “ “ “ “

SLD - “ “ “ “ “ “

RLD - “ “ “ “ “ “

FAIL\* – Startup failure in the boot code (corresponding log)

BADP\* – dead power buses at startup (bad power shutdown logged)

SUAT – SWAT

FINT – Factory Initialization

FCFG – Factory Configuration

ATP

CFG – PC Configuration

LOAD – Loading code

USTC – Uploading STC

UDRU – Uploading Drive Board

\* Indicates this LCD message has a corresponding log.

### Scrolling Status Messages (push menu button once)

FACT – Factory Test Mode

DENO – Configured as demo gate

SLAU – slave

LEAD – master

OT nD – where n is operator type 1-4 and D is DC gate

OT nA – where n is operator type 1-4 and A is AC gate

OT n – where n is operator type 5 or 6

RH or LH for gate handing

UC n – where n is usage class

Dnn.n – where nn.n is the voltage level

CCnn nnnn – where nnnnnn are the cycle counts

**Faults:**

FAL1 - maximum run timeout fault

FAL2 - supervised photoeye fault

FAL3 - AC critical low voltage sag or bad supply wire fault

FAL4 - gate no load fault

**Errors:**

ERR1 - directional motion error

ERR2 - disconnected Inherent Sensor error

ERR3 - ELD, IOLD, OOLD, SLD - failed error

ERR4 - Master/Slave RS-485 comm error

ERR5 - General protection fault

ERR6 - drive board RS-485 error

ERR7 - menu checksum error

ERR8 - RPM sensor error

ERR9 – disconnected battery

**Alerts:**

ALE1 - gate forced open alert

ALE2 - gate drift closed alert

ALE3 - excessive gate drift alert

ALE4 - motor thermal overload alert

ALE5 - both limits tripped alert

ALE6 - limit didn't release - no motion alert

ALE7 - ELD, IOLD, OOLD, SLD - abnormal freq change alert

ALE8 - " , " , " , " - shorted loop alert

ALE9 - " , " , " , " - disconnected alert

AL10 - " , " , " , " - comm alert

AL11 - " , " , " , " - malfunction alert

AL12 - " , " , " , " - on more than 5 minutes alert

AL13 - stiff gate alert

AL14 - stuck gate alert

AL15 - no pickle detected by stop sensor alert

AL16 - general I2C comm buss crash

AL17 - bad 3V coin battery alert

AL18 – replace gate batteries

**Logged Events:**

EVENT - Photo Eye Open prevents open/close  
EVENT - Photo Eye Close prevents open/close  
EVENT - Gate Edge Sensor prevents open/close  
EVENT - Gate Edge Sensor triggered  
EVENT - Inherent Sensor triggered  
EVENT - entrapment alarm  
EVENT - unauthorized tailgater  
EVENT - uploaded new code  
EVENT - manual reset  
EVENT - power reset  
EVENT - internal reset  
EVENT - Exit Loop Detector (ELD) installed  
EVENT - Inner Obstruction Loop Detector (IOLD) installed  
EVENT - Outer Obstruction Loop Detector (OOLD) installed  
EVENT - Reset/Shadow Loop Detector (SLD) installed  
EVENT - DC system - dead 24 volt battery  
EVENT - bad power shutdown  
EVENT - pickle detected and position recorded  
EVENT - configuration changed by remote PC host  
EVENT – new clock setting  
EVENT – clock set (user menu)  
EVENT – clock set (external)  
EVENT – AC Loss (no solar charger)

**Logged Notifications:**

NOTICE - Gate Edge Sensor input active 10 minutes  
NOTICE - Photo Eye Open input active 10 minutes  
NOTICE - Photo Eye Close input active 10 minutes  
NOTICE - Open Button input active 10 minutes  
NOTICE - Close Button input active 10 minutes  
NOTICE - Stop Button input active 10 minutes  
NOTICE - Fire Department Open input active 10 minutes  
NOTICE - Emergency Close input active 10 minutes  
NOTICE - Remote Open/Radio Control input active 10 minutes  
NOTICE - Open/Close input active 10 minutes  
NOTICE - Open Partial input active 10 minutes

### **Extended Diagnostic Logs:**

DIAGNOSTIC - Exit Loop Detector (ELD) active  
DIAGNOSTIC - Inner Obstacle Loop Detector (IOLD) active  
DIAGNOSTIC - Outer Obstacle Loop Detector (OOLD) active  
DIAGNOSTIC - Reset/Shadow Loop (SLD) active  
DIAGNOSTIC - Exit Loop Detector (ELD) cleared  
DIAGNOSTIC - Inner Obstacle Loop Detector (IOLD) cleared  
DIAGNOSTIC - Outer Obstacle Loop Detector (OOLD) cleared  
DIAGNOSTIC - Reset/Shadow Loop (SLD) cleared  
DIAGNOSTIC - Open command  
DIAGNOSTIC - Close command  
DIAGNOSTIC - Timer close command

DIAGNOSTIC - Close Limit cleared  
DIAGNOSTIC - Close Limit reached  
DIAGNOSTIC - Open Limit cleared  
DIAGNOSTIC - Open Limit reached  
DIAGNOSTIC - Motor started  
DIAGNOSTIC - Motor stopped  
DIAGNOSTIC - Entered Safe mode  
DIAGNOSTIC - Exited Safe mode  
DIAGNOSTIC - Keypad open pushed  
DIAGNOSTIC - External open pushed  
DIAGNOSTIC - Keypad close pushed  
DIAGNOSTIC - External close pushed  
DIAGNOSTIC - Keypad stop pushed  
DIAGNOSTIC - External stop pushed  
DIAGNOSTIC - Photoeye open discrete active  
DIAGNOSTIC - Photoeye open discrete clear  
DIAGNOSTIC - Photoeye close discrete active  
DIAGNOSTIC - Photoeye close discrete clear  
DIAGNOSTIC - GEB discrete active  
DIAGNOSTIC - GEB discrete clear  
DIAGNOSTIC - IES discrete active  
DIAGNOSTIC - IES discrete clear  
DIAGNOSTIC - Emergency Open pushed  
DIAGNOSTIC - Emergency Close held  
DIAGNOSTIC - Emergency Close released  
DIAGNOSTIC - Open/Close pushed  
DIAGNOSTIC - Momentary Open pushed  
DIAGNOSTIC - TCO/Interlock Open discrete active  
DIAGNOSTIC - TCO/Interlock Open discrete clear  
DIAGNOSTIC - Partial Open pushed  
DIAGNOSTIC - Block Exit Loop Detector (ELD) active  
DIAGNOSTIC - Block Exit Loop Detector (ELD) clear