

### **States and Outputs (Display Messages)**

IDLE - System is idle. Both doors locked, and chamber is empty

L\_ENTRY - Left Door Request for Entry. ID#: %d

L\_UNLOCK\_ENTRY - Left Door Unlocked before Entry

L\_OPEN\_ENTRY - Left Door Open before Entry

L\_WOE - Weight on Entry is: %d

L\_CLS\_ENTRY - Left Door Closed after Entry

L\_LOCK\_ENTRY - Left Door Locked after Entry

R\_UNLOCK\_ENTRY - Right Door Unlocked after Entry

R\_OPEN\_ENTRY - Right Door Open after Entry

R\_CLS\_ENTRY - Right Door Closed after Entry

R\_LOCK\_ENTRY - Right Door Locked after Entry.

R\_EXIT - Right Door Request for Exit. ID#: %d

R\_UNLOCK\_EXIT - Right Door Unlocked before Exit

R\_OPEN\_EXIT - Right Door Open before Exit

R\_WOE - Weight on Exit is: %d

R\_CLS\_EXIT - Right Door Closed before Exit

R\_LOCK\_EXIT - Right Door Locked before Exit

L\_UNLOCK\_EXIT - Left Door Unlocked before Exit

L\_OPEN\_EXIT - Left Door Open before Exit

L\_CLS\_EXIT - Left Door Closed after Exit

L\_LOCK\_EXIT - Left Door Locked after Exit

ERROR\_ALERT - ALERT! POTENTIAL PROBLEM HAS OCCURRED. EXIT WEIGHT FOR ID#%d DOES NOT MATCH ENTRY WEIGHT.

### **External Inputs:**

LS - Left Scan

RS - Right Scan

WS - Weight Scale

LO - Left Open

RO - Right Open

LC - Left Close

RC - Right Close

GRU - Guard Right Unlock

GRL - Guard Right Lock

GLL - Guard Left Lock

GLU - Guard Left Unlock

### **Persistent Data**

persistWeightEntry - The weight of the person on entry from the left door

persistIdEntry - The ID # of the person scanned on entry from the left door

persistWeightExit - The weight of the person on entry from the right door

persistIdExit - The ID # of the person scanned on entry from the right door

