



## 02. C3150 CONTROL INITIALIZATION

### Step 1: Power-Up Door Unit

Be sure the toggle circuit is complete after applying AC power to the unit (Blue LED D6 is ON ). **Caution: The Door will move.**

- With power established, the Control LED Display shows the Control Version and Date.
- Followed by:
 

Door Mode Type Traffic Elapsed Time Since Last Reset	
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### Step 2: Perform Learn Cycle

- Instruct the control to perform a full learn cycle by:
- Holding down the **SET** button and the **RESET** button.
  - Release the **RESET** button.
  - Hold the **SET** button approximately 5 seconds until 'Setup Request' appears on the screen.

### Select Operator Type

- Select the required Operator Type. Then press **SET**.

- Press the **UP** or **DOWN** button to cycle through Operator Types.
  - S2000 Linear: All Rod Drives.
  - S2000B/S2003 Belt: Current production motors (default).
  - S2001: Current production motors.
  - S2003: Early production (Litton motors).
  - S2001: Early production (Litton motors).
- When the required Operator is displayed, press the **SET** button.
- Press the **UP** button to confirm Operator Type.
- Select **NO (DOWN button)** for Monitored Sensors\*.
- Select **NO (DOWN button)** to enable **Day/Nite Sw\*\***.

If **NO** is selected from **Day/Nite Sw**, control will start automatic setup checking for locks, learning stroke for belt drive units. Reverse sensitivity is learned during the close cycle of setup on a belt drive and after the first closing cycle on a linear drive.

- The Learn Cycle is complete.

\* (The setting for Monitored Sensors will be changed at completion of Initial Setup using Parameters P61, P62 and P63).

\*\* (The setting for Day/Nite Sw will be changed at completion of Initial Setup if installing a 4-Position Rotary/Keyswitch- P36).

### 03. PROGRAMMING MODE - PARAMETERS

#### Step 1: Changing Parameter Settings

To enter Programming Mode, turn **off** Toggle - Display briefly shows 'Door Off (User)' or double-click **SET** button - Display briefly shows 'Door Off (Tech)'.

- Scroll Up or Down to display parameter (refer to Table below). Then press and hold **SET** while pressing **Up** or **Down** to increase/decrease value.
- When satisfied with changes, return to normal (turn toggle back **On** or double-click **SET**). Then press and hold **SET** for 5 seconds until 'Data Saved' is displayed.

Table: List 'Tech' Parameter Settings

NO.	PARAMETER	FACTORY DEFAULT	RANGE
P01	Open Speed	75	10 - 97%
P02	Open Check	14	5 - 31%
P03	Open Cushion	12	5 - 31%
P04	Open Check Point -Shown in Inches (cm)	75%	50 - 90%
P05	Close Speed	38	8 - 56%
P06	Close Check	14	5 - 31%
P07	Close Cushion	12	5 - 31%
P08	Close Check Point -Shown in Inches (cm)	6"	3" - 18"
P09	Delay 1	2 sec	2 - 255s
P10	Delay 2	2 sec	2 - 255s
P11	Close Speed Rev Force	*	40 - 1000
P12	Close Check Rev Force	**	20 - 400
P13	Braking Level	4	1 - 8
P14	Total Stroke (Read Only)		12" - 299"
P16	Control Password		0 - 9999
P17	Partial Open Point -Shown in Inches (cm)	50%	25 - 100%
P34	Cycle Test	Off	On/Off
P35	Autoseal	Off	On/Off
P36	Day/Night Sw Enable	Off	On/Off
P37	Reduced Open Accel	Off	On/Off
P40	First Run Stop Okay	On	On/Off
P42	Lock Present	As Learned	On/Off
P43	Lock Type Fail Safe	As Learned	On/Off
P44	Lock Has No Mon Sw	Off	On/Off
P45	Lock in Day Modes	Off	On/Off
P46	Lock in 1 Way Modes	Off	On/Off
P47	Resume on Aux 1/2 Clr	Off	On/Off
P58	Remote Mode Enable	Off	On/Off
P61	Int Sensor Monitored	Off	On/Off
P62	Ext Sensor Monitored	Off	On/Off
P63	Safety Beam Monitored	Off	On/Off
P64	Aux 1 Snsr Monitored	Off	On/Off
P65	Aux 2 Snsr Monitored	Off	On/Off

\* (200% of Learned Max Close Speed Current Units 1/10 Amp.)

\*\* (200% of Learned Max Check Speed Current Units 1/10 Amp.)

#### Autolock Detected During Setup

- Autolock (detected) will only lock in Night Mode unless other parameters are set.
- Parameter P45 locks in Day Mode if turned On.
- Parameter P46 locks in One-Way Mode if turned On.

#### Using Rotary / Key Switch

Refer to Wiring Diagrams for Linear and Belt Drives on H310.45 and H310.46.

- Rotary/Key Switch parameter 36 must be turned On.
- Parameter P45 locks in Day Mode if turned On.
- Parameter P46 locks in One-Way Mode if turned On.

#### Wiring for Rotary / Key Switch

Refer to Wiring Diagrams for Linear and Belt Drives on H310.45 and H310.46 of the H310 Setup Instructions.

- White wire terminates on COM of CN1.
- Black wire terminates on Day / Nite of CN4.
- Green wire terminates on 1 Way of CN4.
- Red wire terminates on A / ACT of CN4.

