



Chore-Tronics® 2 Breeder Edition Override Box



CTB Inc. Warranty

CTB Inc. warrants each new product manufactured by it to be free from defects in material or workmanship for one year from and after the date of initial installation by or for the original purchaser. If such a defect is found by the Manufacturer to exist within the one-year period, the Manufacturer will, at its option, (a) repair or replace such product free of charge, F.O.B. the factory of manufacture, or (b) refund to the original purchaser the original purchase price, in lieu of such repair or replacement. Labor costs associated with the replacement or repair of the product are not covered by the Manufacturer.

Conditions and Limitations

1. The product must be installed by and operated in accordance with the instructions published by the **Manufacturer or Warranty will be void.**
2. Warranty is void if **all components** of the system are not original equipment supplied by the **Manufacturer.**
3. This product must be purchased from and installed by an authorized distributor or certified representative thereof or the Warranty will be void.
4. Malfunctions or failure resulting from misuse, abuse, negligence, alteration, accident, or lack of proper maintenance shall not be considered defects under the Warranty.
5. This Warranty applies only to systems for the care of poultry and livestock. Other applications in industry or commerce are not covered by this Warranty.

The **Manufacturer** shall not be liable for any **Consequential or Special Damage** which any purchaser may suffer or claim to suffer as a result of any defect in the product. **“Consequential” or “Special Damages” as used herein include, but are not limited to, lost or damaged products or goods, costs of transportation, lost sales, lost orders, lost income, increased overhead, labor and incidental costs and operational inefficiencies.**

THIS WARRANTY CONSTITUTES THE MANUFACTURER’S ENTIRE AND SOLE WARRANTY AND THIS MANUFACTURER EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, EXPRESS AND IMPLIED WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSES SOLD AND DESCRIPTION OR QUALITY OF THE PRODUCT FURNISHED HEREUNDER.

CTB Inc. product Distributors are not authorized to modify or extend the terms and conditions of this Warranty in any manner or to offer or grant any other warranties for CTB Inc. products in addition to those terms expressly stated above. An officer of CTB, Inc. must authorize any exceptions to this Warranty in writing. The Manufacturer reserves the right to change models and specifications at any time without notice or obligation to improve previous models.

Effective: **December 2007**

CTB Inc.
P.O. Box 2000 • Milford, Indiana 46542-2000 • U.S.A.
Phone (574) 658-4101 • Fax (877) 730-8825
Email: ctb@ctbinc.com • Internet: <http://www.ctbinc.com>

Thank You

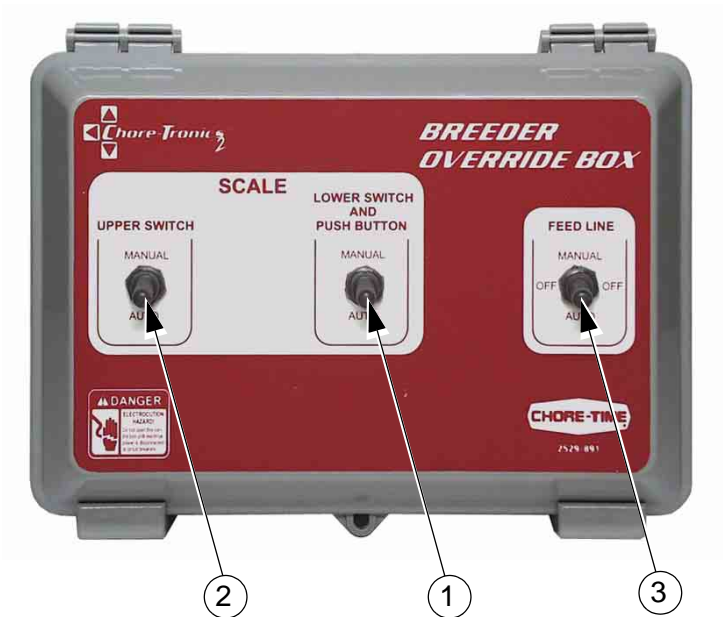
The employees of CTB Inc. would like to thank your for your recent purchase. If a problem should arise, your CTB distributor can supply the necessary information to help you.

Overview

The Chore-Tronics 2 Breeder Override Box is used to connect the Chore-Tronics 2 Breeder Edition Control to a Weighmatic® scale system. During normal operation, the Breeder Override Box provides feedback to the Chore-Tronics Control to inform the Control the current status of the Weighmatic® scale system. The Breeder Override Box can also temporarily operate both the Weighmatic® scale system and feeding system if necessary. If it is desired to connect two Weighmatic® scale systems to the Chore-Tronics® 2 then two Breeder Override boxes will be required.

Introduction to the Control

The Breeder Override Box front panel consists of three toggles switches: One for the lower switch and push button of the scale, one for the upper switch of the scale and one for manually running the feed lines.



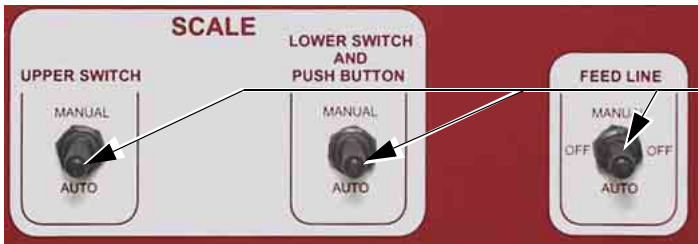
Item	Description
1	Lower Switch and Push Button Toggle Switch
2	Upper Switch Toggle Switch
3	Feed Lines (Manual)

Figure 1. Introduction to Control

Control Operation

Normal Operation

Under normal operating conditions, all toggle switches should be in the automatic position. This will allow the Chore-Tronics 2 Breeder Edition control to operate the Weigh Fill, Feeder Fill, and Feed Line outputs. Please refer to the Chore-Tronics 2 Breeder Control manual for normal operation details.



Toggle switches in the Automatic Position

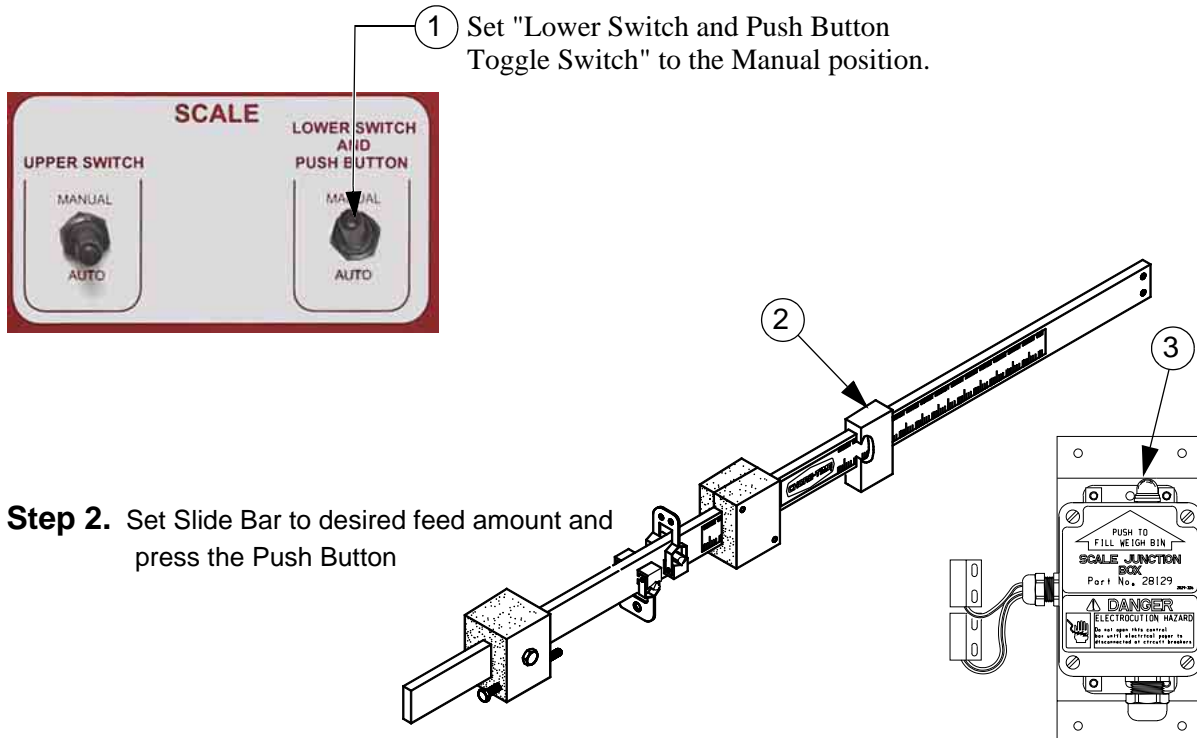
Figure 2. Normal Operation

Manual Operation

Lower Switch and Push Button (Filling the weigh Bin)

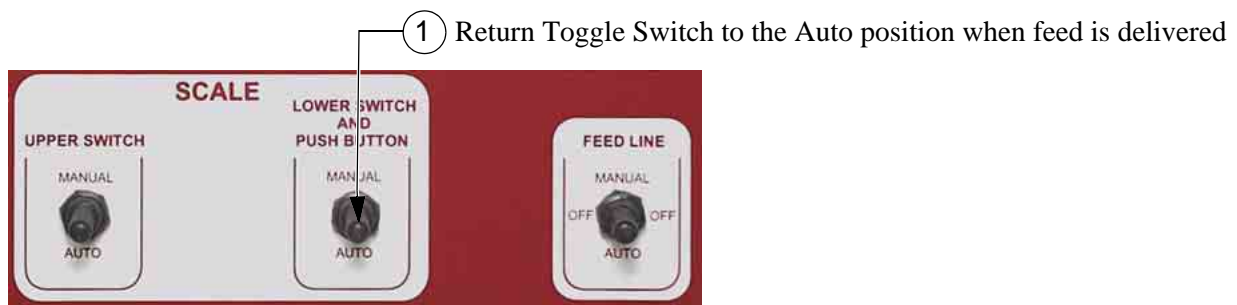
To temporarily override the Chore-Tronics® control and fill the weigh bin manually, first place the Lower Switch and Push Button toggle switch (**Item 1, Figure 3**) into the manual position. Set the slide bar (**Item 2**) on the scale to the desired amount of feed and press the push button on the Weigh Scale Beam (**Item 3**) to begin filling the weigh bin. When all the feed is in the bin, Return the switch to the automatic position. This will return Control of the weigh system back to the Chore-Tronics® Control.

Step 1. Set Toggle Switch to the Manual Position



Step 2. Set Slide Bar to desired feed amount and press the Push Button

Step 3. Set the Toggle Switch back to Auto when feed is all in the Weigh Bin



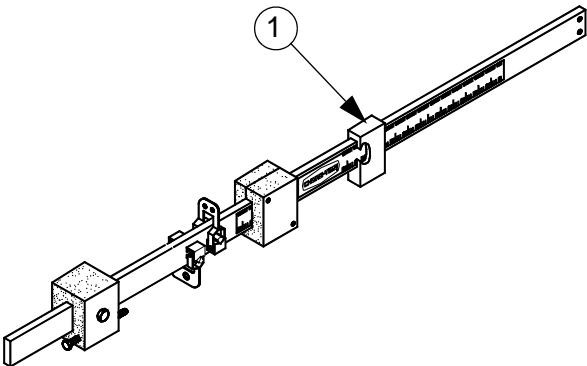
Item	Description
1	Lower Switch and Push Button Toggle Switch
2	Slide Bar
3	Push Button on Weigh Scale Beam

Figure 3. Manual Operation

Upper Switch (Delivering Feed to House)

To temporarily override the Chore-Tronics® Control to deliver feed into the house, first set the slide bar (**Item 1, Figure 4**) to the amount of feed desired to be delivered to the house. Then move the Upper Switch Toggle switch (**Item 2**) to the manual position. When all of the feed has been delivered to the house return the switch to the automatic position. This will return control of the Feeder fill system back to the Chore-Tronics® Control.

Step 1. Set Slide Bar to desired feed amount



Step 2. Set Toggle Switch to the Manual Position



Step 3. Set the Toggle Switch back to Auto when feed is delivered



Item	Description
1	Upper Switch Toggle Switch
2	Slide Bar

Figure 4. Upper Switch Operation

Feed Line (Operate Feed Lines)

To temporarily operate the feed lines from the Breeder Override Box, press and hold the Feeder line toggle switch (**Item 1, Figure 5**) in the manual position. When the toggle switch is released the feed lines will turn off..



Item	Description
1	Feedline Toggle Switch

Figure 5. Feeline Operation

Wiring

Wiring to Chore-Tronics Control and Weighmatic Scale

The three digital input terminals must be connected to the Chore-Tronics® 2 Controls using twisted pair wire (part no. 42208). Failure to do so could result in improper operation of the feeding system.

EXTERNAL WIRING TERMINAL 1		
1	L1 Supply	Scale Wiring
2	L2 Supply	
3	Upper Switch Out	
4	Upper Switch Return	
5	Lower Switch Return	
6	Push Button Return	
7	L1 Common	
8	To Control (Feeder Fill Relay)	C-Tronics D1 Wiring
9	From Control (Feeder Fill Relay)	
10	To Weigh Fill Relay	
11	From Weigh Fill Relay	

EXTERNAL WIRING TERMINAL 2		
1	To Control Feeder Line Relay	C-Tronics D1 Wiring
2	From Control Feeder Line Relay	
3		
4		
5		
6		
7	Upper Switch	
8	Upper Switch	
9	Lower Switch	
10	Lower Switch	
11	Push Button	
12	Push Button	

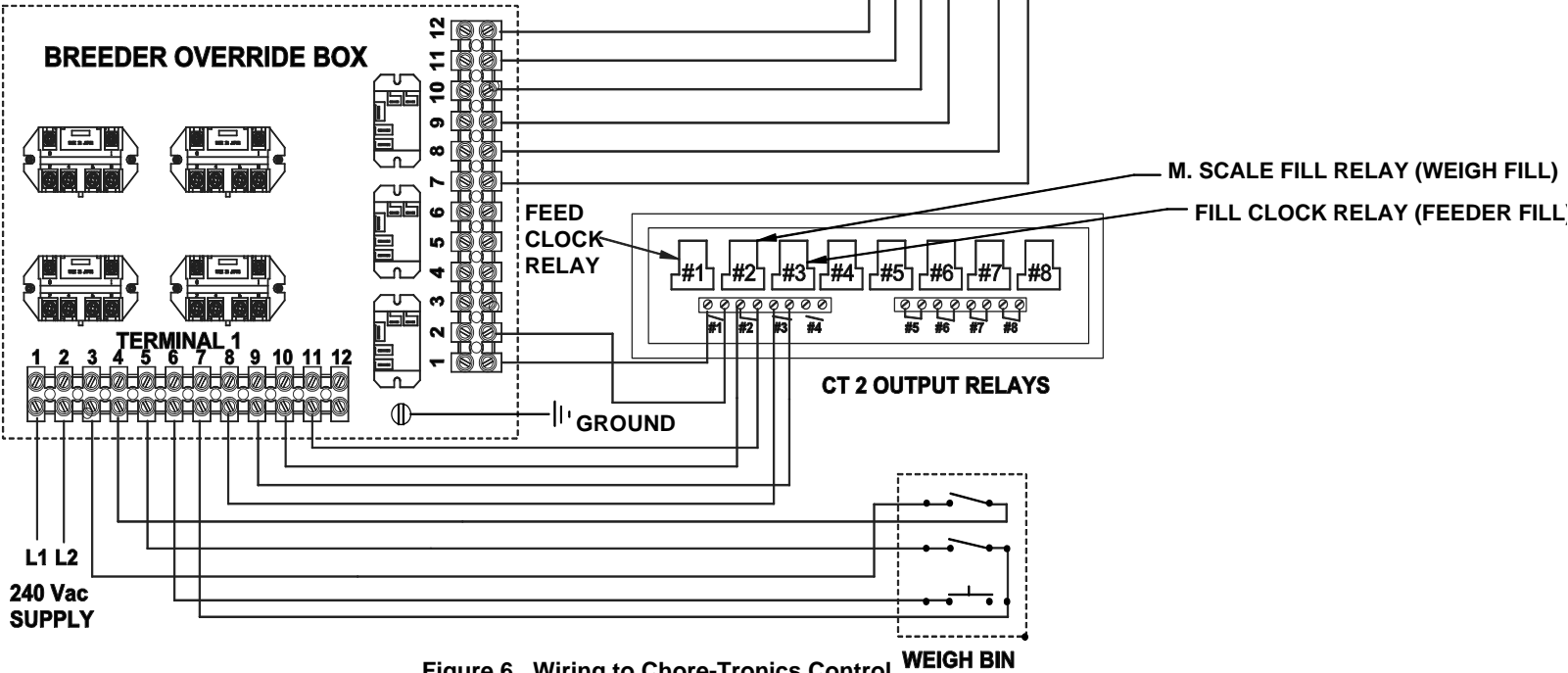
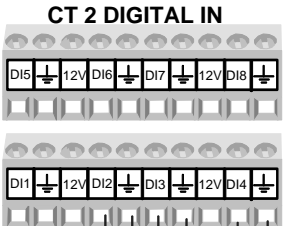


Figure 6. Wiring to Chore-Tronics Control

Wiring to Weigh Bin, Fill System, and Feed Line Motors

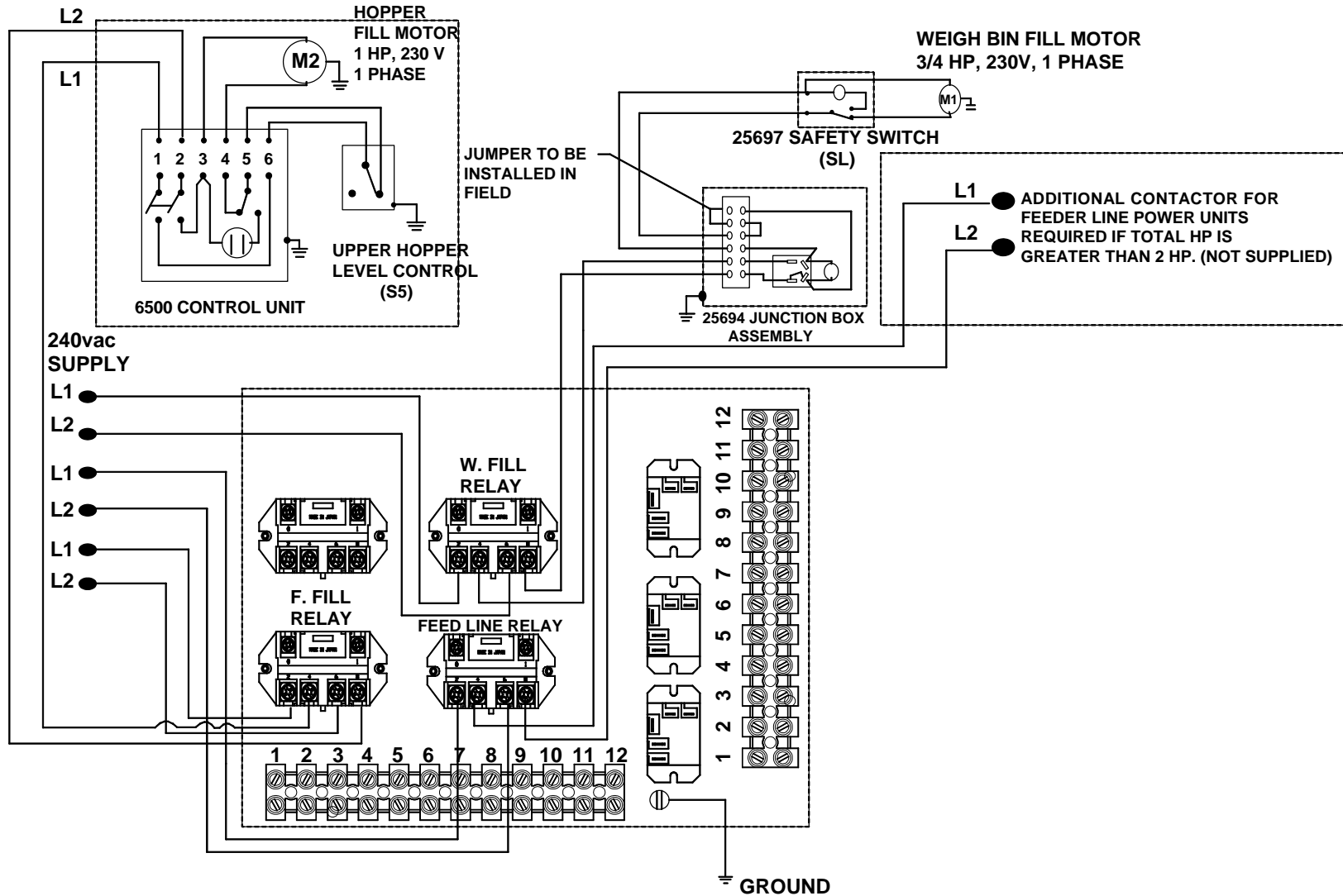


Figure 7. Wiring to Weigh Bin

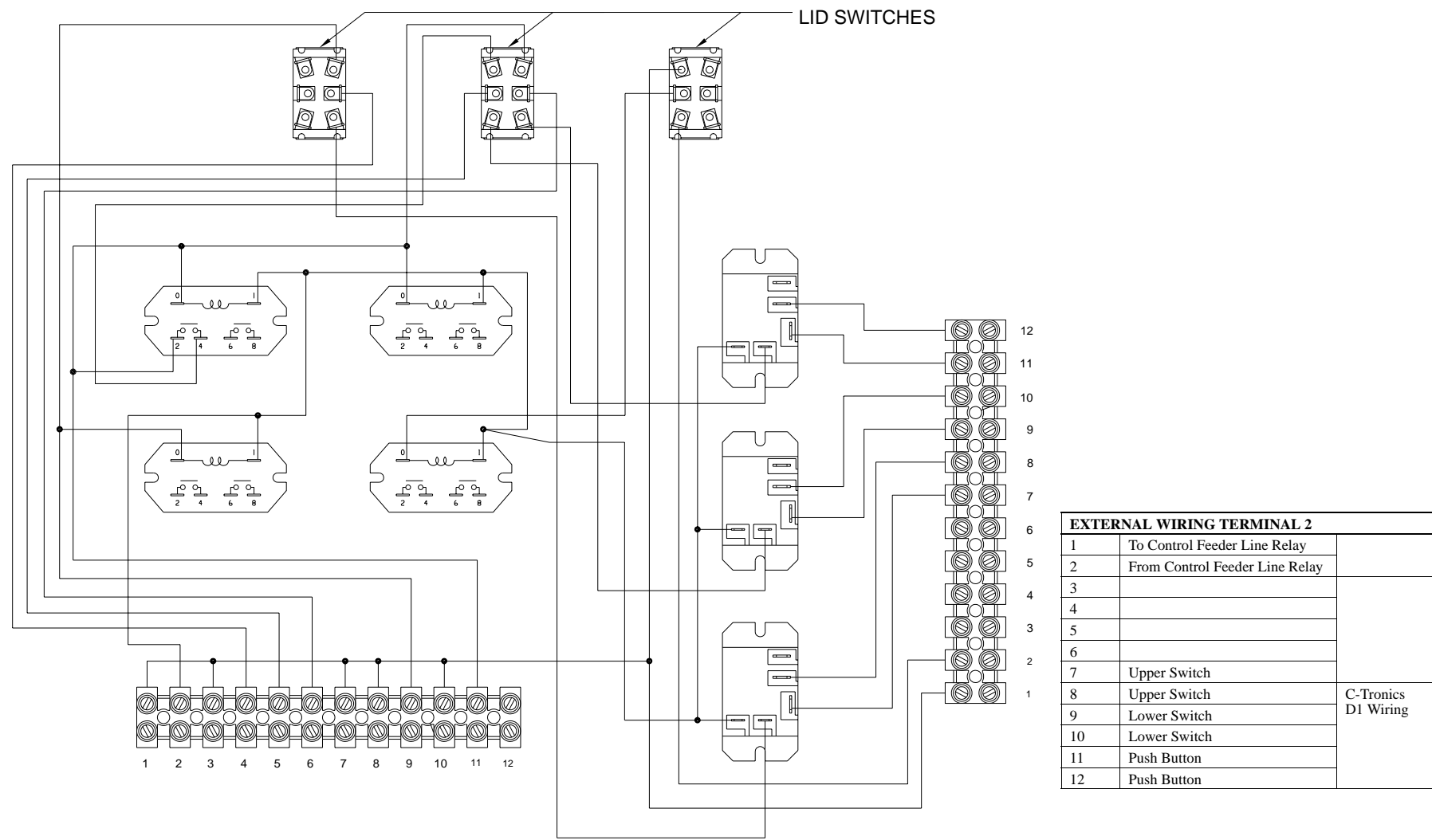
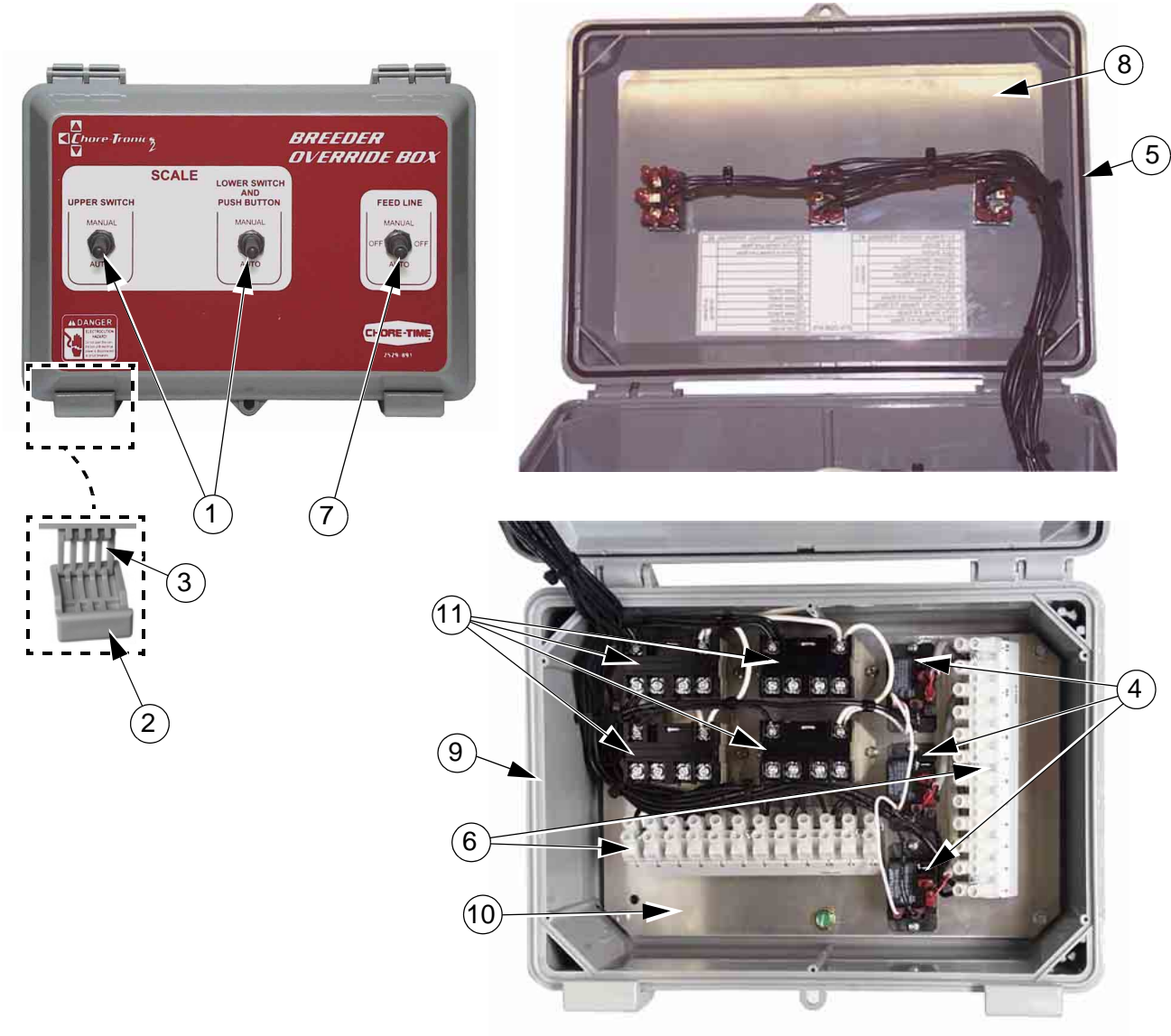


Figure 7. Internal Wiring

Part Numbers



Item	Description	Part No.
1	Toggle Switch	6014
2	Control Box Latch	30862
3	Control Box Latch Pivot	30863
4	SPDT 220 VAC Relay	34702
5	Neoprene Seal	34767
6	12 Pole Terminal Strip	34925
7	DPDT Toggle Switch	50699
8	Breeder Override Box Lid	51064
9	Control Box	30860-3
10	Breeder Override Base Plate	51043
11	DPST 200/400V Coil Relay	34654

Figure 8. Part Numbers



Note: The original, authoritative version of this manual is the [English] version produced by CTB, Inc. or any of its subsidiaries or divisions, (hereafter collectively referred to as "CTB"). Subsequent changes to any manual made by any third party have not been reviewed nor authenticated by CTB. Such changes may include, but are not limited to, translation into languages other than [English], and additions to or deletions from the original content. CTB disclaims responsibility for any and all damages, injuries, warranty claims and/or any other claims associated with such changes, inasmuch as such changes result in content that is different from the authoritative CTB-published [English] version of the manual. For current product installation and operation information, please contact the customer service and/or technical service departments of the appropriate CTB subsidiary or division. Should you observe any questionable content in any manual, please notify CTB immediately in writing to: CTB Legal Department, P.O. Box 2000, Milford, IN 46542-2000 USA.

Revisions to this Manual

Page No.	Description of Change
6	Corrected Relay Info.

CTB Inc.
P.O. Box 2000 • Milford, Indiana 46542-2000 • U.S.A.
Phone (574) 658-4101 • Fax (877) 730-8825
Email: ctb@ctbinc.com • Internet: <http://www.ctbinc.com>