CHORE-TIME®

Broadcaster
Installation and Operators
Instruction Manual

Contact your nearby Chore-Time distributor or representative for additional parts and information.

Warranty

LIMITED WARRANTY ("Warranty")

Chore-Time Group, a division of CTB, Inc. ("Chore-Time") warrants new BROADCASTER® systems ("Product") manufactured by Chore-Time to be free from defects in material or workmanship under normal usage and conditions, for One (1) year from the date of purchase by the original purchaser ("Purchaser"). If such a defect is determined by Chore-Time to exist within the warranty period, the exclusive remedy will be to repair or replace the Product at the sole discretion of Chore-Time, at no charge to the Purchaser. Labor costs associated with the removal and/or installation of replacement and/or repaired Product, as well as freight costs, are not covered by this Limited Warranty. This Warranty is not transferable, and applies only to the Purchaser.

THIS WARRANTY CONSTITUTES CHORE-TIME'S ENTIRE AND SOLE WARRANTY AND CHORE-TIME EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, EXPRESS AND IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES. Chore-Time shall not be liable for any direct, indirect, incidental, consequential or special damages 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. Some jurisdictions prohibit limitations on implied warranties and/or the exclusion or limitation of such damages, so these limitations and exclusions may not apply to you. This Limited Warranty gives the Purchaser specific legal rights. You may also have other rights based upon your specific jurisdiction.

The following circumstances will render this Warranty void:

- Modifications made to the Product not specifically delineated in the Product manual.
- Product not installed, tested, and/or operated in accordance with the instructions published by the Chore-Time.
- All components of the Product are not original equipment supplied by Chore-Time.
- Product was not purchased from a Chore-Time authorized distributor or certified representative.
- Product was not installed by a Chore-Time authorized distributor or representative, or a licensed electrician.
- Product experienced malfunction or failure resulting from misuse, abuse, mismanagement, negligence, alteration, accident, or lack of proper maintenance, or from lightning strikes, electrical power surges or interruption of electricity.
- Product experienced corrosion, material deterioration and/or equipment malfunction caused by or consistent with the application of chemicals, minerals, sediments or other foreign elements.
- Product was used for any purpose other than for the care of poultry and livestock.
- Product malfunction or failure due to insufficient telephone, wireless, broadband, and/or cellular quality or service, or due to other equipment connected to the same landline and/or cellular modem line.

This Limited Warranty may only be modified in writing by an officer of Chore-Time. Chore-Time will have no obligation or responsibility for any representations or warranties made by or on behalf of any distributor, dealer, agent or certified representative.

DISCLAIMER OF LIABILITY

Compliance with federal, state and local rules which apply to the location, installation and use of the Product are the responsibility of the Purchaser. Chore-Time will not be liable for any damages which result from non-compliance with such rules.

Chore-Time does not represent nor warrant that the Product will prevent any loss, damage or injury to person or property, or that the Product will in all cases provide the protection for which it is installed or intended. Purchaser acknowledges that Chore-Time is not an insurer, and that Purchaser assumes all risk for loss or injury.

Purchaser acknowledges that signals which are transmitted over the landlines or cellular modem lines or other modes of communication pass through communication networks wholly beyond the control of Chore-Time, and are not maintained by Chore-Time, and, therefore, Chore-Time will not be responsible for any Product or communication failure which prevents transmission signals from reaching the intended telephone numbers.

Effective: **April 2017**

Chore-Time Group, A division of CTB, Inc.
PO Box 2000, Milford, Indiana 46542-2000 USA
www.choretime.com

Contents

Contents - continued

Safety and General Information

Caution, Warning and Danger Decals have been placed on the equipment to warn of potentially dangerous situations. Care should be taken to keep this information intact and easy to read at all times. Replace missing or damaged safety decals immediately.

Safety–Alert Symbol

This is a safety–alert symbol. When you see this symbol on your equipment, be alert to the potential for personal injury. This equipment is designed to be installed and operated as safely as possible...however, hazards do exist.

Understanding Signal Words

Signal words are used in conjunction with the safety–alert symbol to identify the severity of the warning.

DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, MAY result in minor or moderate injury.

Follow Safety Instructions

Carefully read all safety messages in this manual and on your equipment safety signs. Follow recommended precautions and safe operating practices.

Keep safety signs in good condition. Replace missing or damaged safety signs.

Decal Descriptions

DANGER: Moving Parts

Disconnect electrical power before working on system, equipment may start automatically. Otherwise personal injury will result.

Severe personal injury will result if the equipment is operated without covers properly installed.

⚠**DANGER**

Rotating Parts!
Do not operate with covers removed!

Disconnect electrical power before working on system, equipment may start automatically. Otherwise severe personal injury will result.
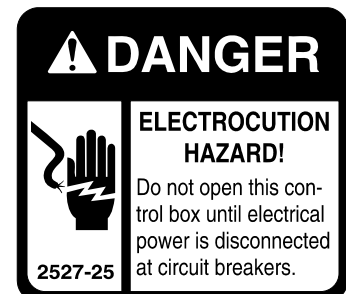
2527-10
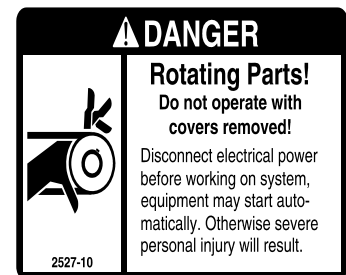
DANGER: Electrical Hazard

Disconnect electrical power before inspecting or servicing equipment unless maintenance instructions specifically state otherwise.

Ground all electrical equipment for safety.

All electrical wiring must be done by a qualified electrician in accordance with local and national electric codes.

Ground all non-current carrying metal parts to guard against electrical shock.

Electrical disconnects and over current protection are not supplied with the equipment.

⚠ **DANGER**

ELECTROCUTION HAZARD!
Do not open this control box until electrical power is disconnected at circuit breakers.

2527-25

General Information

The Chore-Time **Broadcaster** is designed to be used to send notifications via Landlines or Mobile device. Using the equipment for purposes other than specified in this manual may cause personal injury and/or damage to the equipment.

Introduction

Broadcaster™ Features

- Alert system provides notifications to: Landline via voice, Cellphones via voice and Cellphones via text.

- Passes along alert notifications from Chore-Tronics® to user.

- Add and name up to 8 alert inputs (Subject to system limitations)

- Notify list can be up to 10 numbers

- List can consist of:
  - Voice calls to a landline.
  - Voice calls to a cell phone.
  - SMS (text) message to a cell phone.

- Voice calls can be made on a landline or via the optional cellular modem

- SMS messages sent via cellular modem only

- The Broadcaster™ will notify each number in the list, in order until acknowledgment code is entered.

- If SMS messaging is used, all phones that have been sent a message will be sent an additional message informing which number acknowledged the alert.

Connection to Chore-Tronics® 3 Control

- The Chore-Tronics® 3 Main Control connects to the Broadcaster™ using Ethernet via: Traditional Cat5e cable, Fiber Optic Cable and or Wireless Ethernet Radios.

- Will pass on alerts from the Chore-Tronics 3 to the user.

- Maximum of 20 controls can be connected to the Broadcaster™.

- Broadcaster will alert user if communication is lost between the Chore-Tronics® 3 and the Broadcaster.

- Eight alert inputs are available on the Broadcaster™ Main Box. If more than 8 inputs are required, then the optional Auxiliary box is used. Each Auxiliary box will add an additional 8 alert inputs.

- Put an Auxiliary box with every house to give 8 alert inputs per house!

- Broadcaster™ will alert user if communication is lost between the main box and auxiliary box.
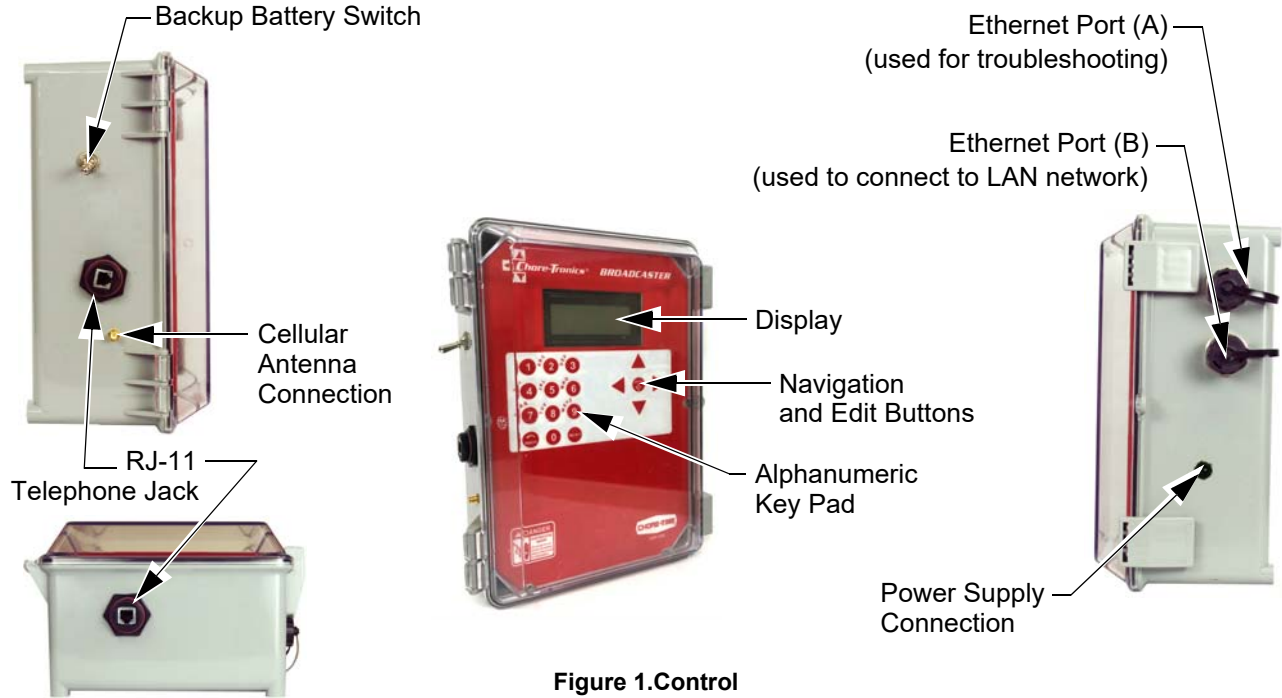
Getting Familiar with the Control

Backup Battery Switch

Ethernet Port (A)
(used for troubleshooting)

Ethernet Port (B)
(used to connect to LAN network)

Cellular
Antenna
Connection

Display

Navigation
and Edit Buttons

Alphanumeric
Key Pad

RJ-11
Telephone Jack

Power Supply
Connection

Figure 1.Control

Control Navigation

Navigation Arrow Buttons

These buttons allow you to scroll up and down in long screens and left and right to select the option you want. In some screens the left and right buttons to edit a field.

Navigation
Buttons
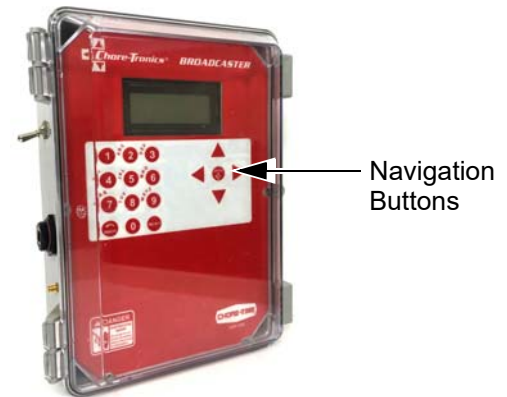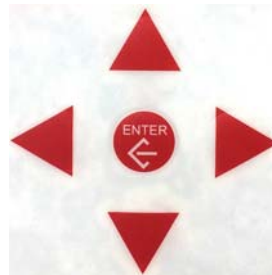
Figure 2.Navigation Buttons

Enter Button

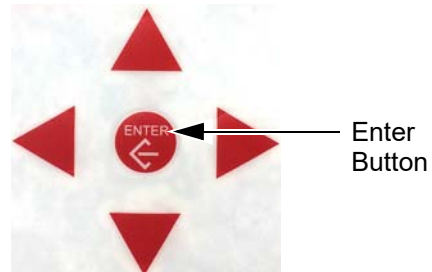This button is used to select an option and save.

Enter
Button

Figure 3.Enter Button

Alphanumeric Keypad

The Alphanumeric Keypad is used to enter a number directly into a field without having to scroll to the number. The Alphanumeric Keypad can also be used to change the name of some text fields. The first letter above each Key is chosen by pushing that Key once. To choose the second letter above each Key, push that Key twice. In our example the letter B is chosen by pressing the #2 button two times in a row. The letter R is chosen by pressing the #7 button three times in a row.

The Back button is used to return to the previous viewed screens.

The Select button does the same function as the Enter button.

To choose "B" push #2 twice

To choose "R" push #7 three times

Back Button

Select Button
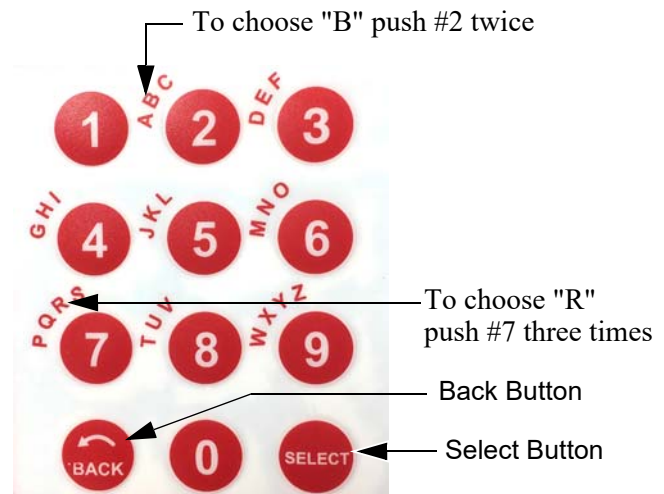
Figure 4.Alphanumeric Buttons

Installation
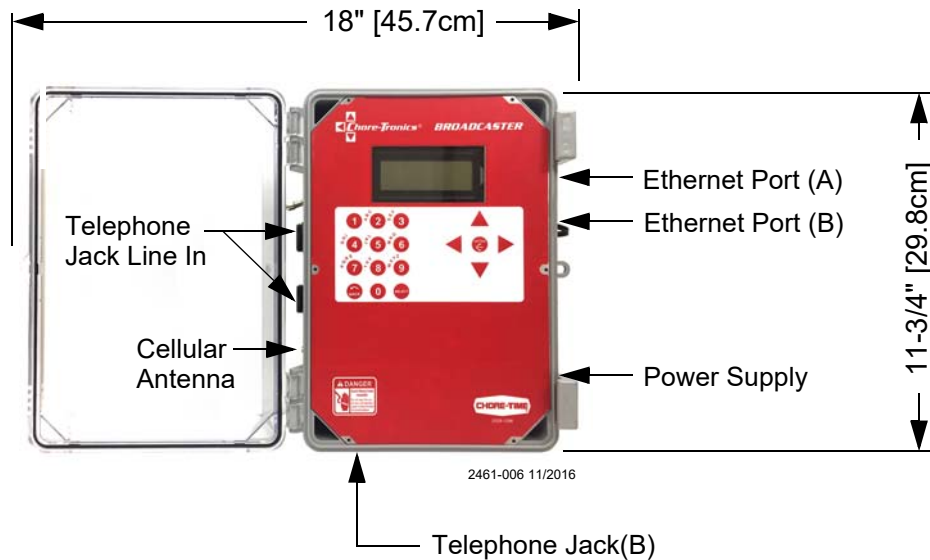
Mounting the Control


Figure 5.Mounting the Control

Disarming the Broadcaster

Before Setting up the Broadcaster, it will have to be disarmed.

1. Press the 3 and 9 button simultaneously and release. The Current Condition Screen will display "Disarmed".
2. Arm the Broadcaster after you have completed all the Setup.
3. Test the Modems by sending a Dial Test and send a test alert from the Controls.
4. Saving the current installed Modems must be done before continuing with the setup of the Broadcaster.
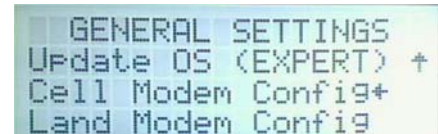
Cellular Modem Setup

1. From the Current Conditions screen, press the Back Button. Select Setup from the Main Menu.
2. Select General from the Setup Menu.
3. Scroll down to Cell Modem Config and select.
4. The current installed Cell Modem will be displayed. Press the 1 and 7 Button to save.
5. Select Yes and press Edit.
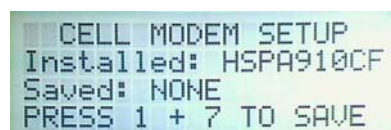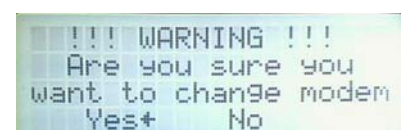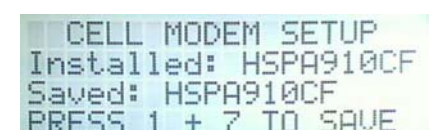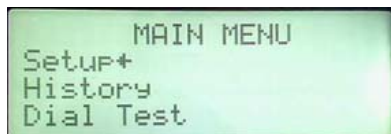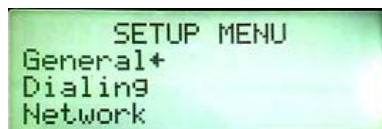6. Press the 1 and 7 Button to save.
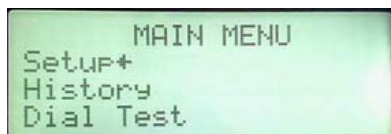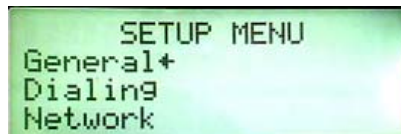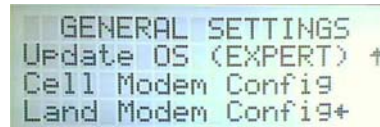
Land Line Modem Setup

1. From the Current Conditions screen, press the Back Button.
2. Select Setup from the Main Menu.
3. Select General.
4. Scroll down to Land Modem Config and select.
5. Select Land Modem Setup and press select.
6. The current installed Land Modem will be displayed. Press the 1 and 7 Button to save.
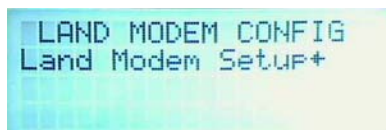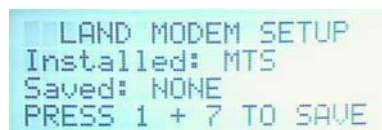
MAIN MENU Setup+ History Dial Test	SETUP MENU General+ Dialing Network	GENERAL SETTINGS Update OS (EXPERT) + Cell Modem Config Land Modem Config+
2)	3)	4)

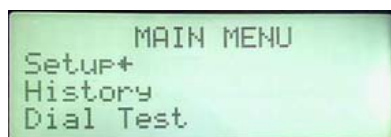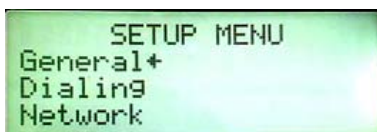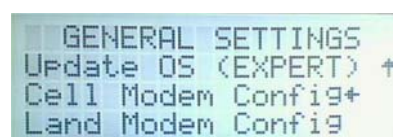|	
LAND MODEM CONFIG Land Modem Setup+	LAND MODEM SETUP Installed: MTS Saved: NONE PRESS 1 + 7 TO SAVE
5)	6)

Checking Cell Signal

1. From the Current Conditions screen press the Back Button. Select Setup from the Main Menu.
2. Select General from the Setup Menu.
3. Scroll down to Cell Modem Config and Select.
4. Select Cell Signal.
5. The Signal shown is only an example.

MAIN MENU Setup+ History Dial Test	SETUP MENU General+ Dialing Network	GENERAL SETTINGS Update OS (EXPERT) + Cell Modem Config+ Land Modem Config
1)	2)	3)
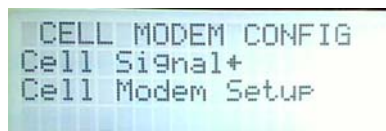
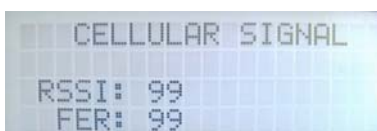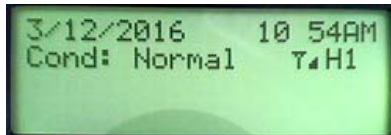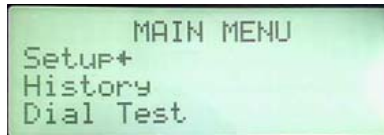|	
CELL MODEM CONFIG Cell Signal+ Cell Modem Setup	CELLULAR SIGNAL RSSI: 99 FER: 99
4)	5)

Setup

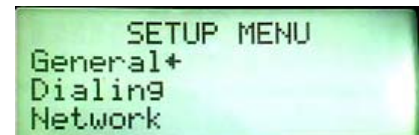## General Settings Menu

Setting Date and Time

1. From Current Conditions Screen, press the Back Button to get to the Main Menu.
2. Select Setup from the Main Menu.
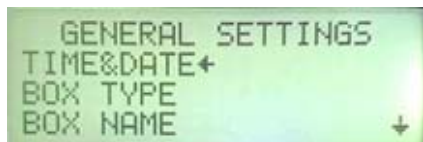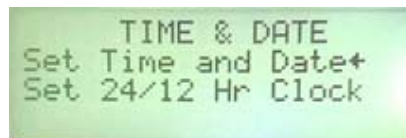3. Select General from the Setup Menu.

3/12/2016 10 54AM Cond: Normal T◢H1	MAIN MENU Setup◆ History Dial Test	SETUP MENU General◆ Dialing Network
1)	2)	3)

4. Select Time& Date from General Settings.
5. Select Set Time and Date.

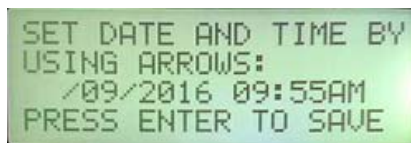|	
GENERAL SETTINGS TIME&DATE◆ BOX TYPE BOX NAME ◆	TIME & DATE Set Time and Date◆ Set 24/12 Hr Clock
4)	5)

6. Edit the Time and Date with the Arrow buttons.
   ...Then Press the Edit button to save.
7. Select Set 24/12 Hr. Clock to edit time format. Move the pointer to Yes then press Enter to change from the current format.
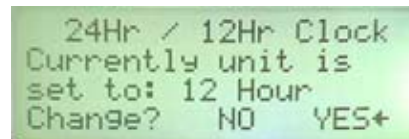
SET DATE AND TIME BY USING ARROWS: /09/2016 09:55AM PRESS ENTER TO SAVE	24Hr / 12Hr Clock Currently unit is set to: 12 Hour Change? NO YES◆
6)	7)

Main Box Setup

Box Type

1. Select General on the Setup Menu Screen.
2. Select Box Type.
3. Select Base.
4. The Broadcaster™ will restart after BOX TYPE is saved.
5. After restart, return to General Settings Menu to continue with Setup.

SETUP MENU General◆ Dialing Network	GENERAL SETTINGS TIME&DATE BOX TYPE◆ BOX NAME ◆	BOX TYPE BASE◆ AUX PRESS ENTER TO SAVE
1)	2)	3)
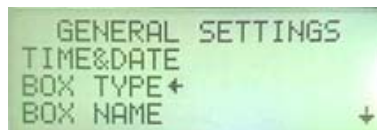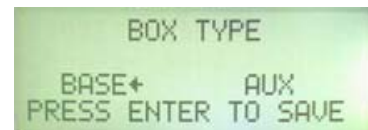
--RESTART NEEDED-- Unit restarting now. Please wait...
4)

Box Name

1. Select General on the Setup Menu Screen.
2. Select Box Name.
3. Use the Keypad and Arrow Buttons to enter each letter or number.
4. Press Enter to Save.

SETUP MENU	GENERAL SETTINGS	EDIT BOX NAME
General◆	TIME&DATE	USING ARROWS:
Dialing	BOX TYPE	-<OFFICE001>-
Network	BOX NAME◆	PRESS ENTER TO SAVE
1)	2)	4)

Alert Delay

1. Select General on the Setup Menu Screen.
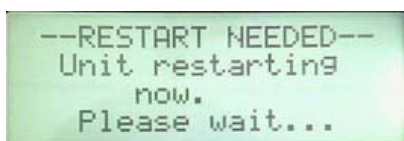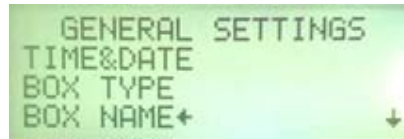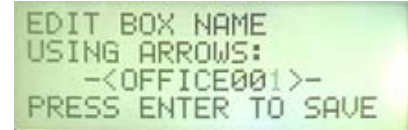2. Select Alert Delay. The Alert Delay setting allows the user to delay an alert from being sent for X amount of time. This delay gives the condition time to clear. (2 minutes 50 seconds max delay.

SETUP MENU	GENERAL SETTINGS	EDIT ALARM DELAY
General◆	ALERT DELAY◆	02:50
Dialing	ALERT SUSPEND TIME	MIN SEC
Network	ALERT NAMES	PRESS ENTER TO SAVE
1)	2)	

Alert Suspend Time

The time after an alert has been Acknowledged to go back to inactive or call/text if still active. Max Suspend time is 29:50 min:seconds.

1. Select General on the Setup Menu Screen.
2. Select Alert Delay.
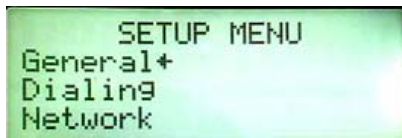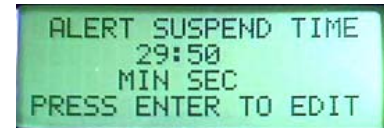
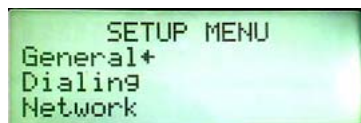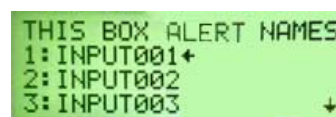| SETUP MENU	GENERAL SETTINGS	ALERT SUSPEND TIME
General◆	ALERT DELAY	29:50
Dialing	ALERT SUSPEND TIME◆	MIN SEC
Network	ALERT NAMES	PRESS ENTER TO EDIT
1)	2)	3)

Alert Names

You can name up to 8 different alert inputs.
1. Select General from the Setup Menu.
2. Select Alert Names.
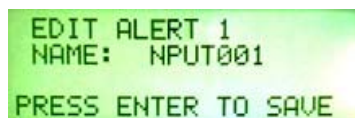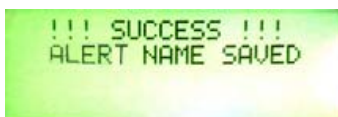3. Select the Input you want to name/rename.
4. press ENTER to save.

```
    SETUP MENU
General+
Dialing
Network
```
1)

```
  GENERAL SETTINGS
ALERT DELAY        +
ALERT SUSPEND TIME
ALERT NAMES+       +
```
2)

```
THIS BOX ALERT NAMES
1:INPUT001+
2:INPUT002
3:INPUT003          +
```
3)

```
EDIT ALERT 1
NAME:  NPUT001

PRESS ENTER TO SAVE
```
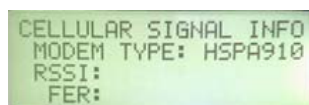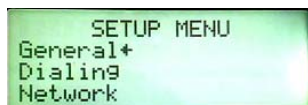4)

```
!!! SUCCESS !!!
ALERT NAME SAVED
```
5)

Cellular Signal

Select CELLULAR INFO. These two numbers are used to determine Cellular signal. The Modem Type is displayed here as well.

```
   SETUP MENU
General+
Dialing
Network
```

```
CELLULAR SIGNAL INFO
 MODEM TYPE: HSPA910
 RSSI:
  FER:
```
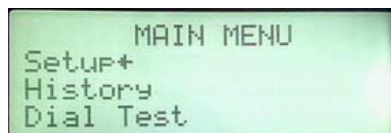
Dialing

Phone numbers are assigned to the modem that is used to dial out. Not the number you are calling. If only a Land line modem is used all the phone numbers will be entered in the LANDLINE CALLING group. No SMS text call is allowed. If both a land line and cellular modem are used then SMS text is allowed. If only a cellular modem is used any number can be dialed. Call or SMS text.

Landline Dialing

If a landline is not used, go to the cellular dialing section.
1. Go to the Main Menu and select Setup.
2. Select Dialing.
3. Select Landline Calling and press Enter.
4. Select Dialing Numbers.
5. Select the line you want to change and press Enter.
6. Enter the full phone number including "1" if long distance. Press Enter to save.
   Up to ten phone numbers can be assigned.

```
    MAIN MENU
Setup+
History
Dial Test
```
1)

```
    SETUP MENU
General
Dialing+
Network
```
2)

```
   DIALING SETUP
LANDLINE CALLING+
CELLULAR CALLING
SMS TEXT MESSAGING +
```
3)

```
   LANDLINE SETUP
GENERAL
DIALING NUMBERS+
```
4)

```
LAND NUMBERS SETUP
1: (555)-555-5555+
2: (555)-555-5555
3: (555)-555-5555  +
```
5)

```
LAND NUMBERS SETUP
1:1(555)-555-5555+
2: (555)-555-5555
3: (555)-555-5555  +
```
6)

```
TO CHANGE NUMBER
ENTER FULL PHONE #
  1-(555)-555-5555
PRESS ENTER TO SAVE
```
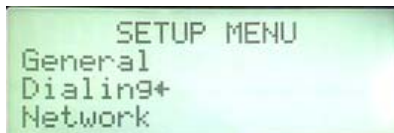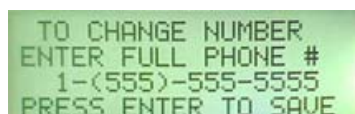
Cellular Dialing

1. From the Setup Menu select the Dialing Setup.
2. Select Cellular Dialing.

```
     SETUP MENU                           DIALING SETUP
General                          LANDLINE CALLING
Dialing+                         CELLULAR CALLING+
Network                          SMS TEXT MESSAGING +
```
                1)   2)

Call Volume

Perform a test cell call in the Dial Test Menu before changing the default.

1. Select General
2. Select Call Volume
3. Change to desired call volume and press Enter to save.

```
  CELLULAR SETUP          CELL GENERAL SETUP       CELLULAR CALL VOLUME
GENERAL+                 Call Volume+            Currently: 8
DIALING NUMBERS                                  Change to: 8
                                                  Press ENTER to save
```
         1)   2)   3)

Adding/Changing Cell numbers

Perform a test cell call in the Dial Test Menu before changing the default.

1. Go to Dialing Setup Screen and select Cellular Calling.
2. Select Dialing Numbers
3. Select the line you want to change and select Enter.
4. Enter the full phone number. Once the number has been entered it will be saved. Up to 10 phone numbers can be assigned.
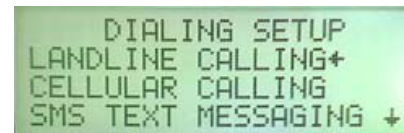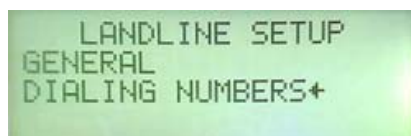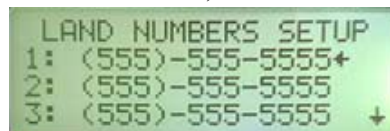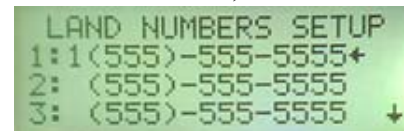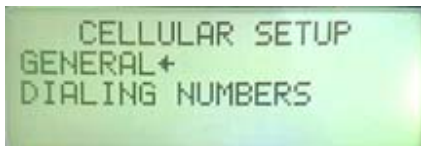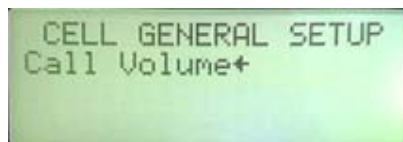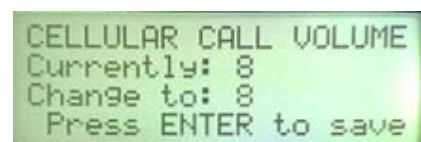
```
   DIALING SETUP            CELLULAR SETUP          CELL NUMBERS SETUP
LANDLINE CALLING         GENERAL                 1: (555)-555-5555+
CELLULAR CALLING+        DIALING NUMBERS+        2: (555)-555-5555
SMS TEXT MESSAGING +                             3: (555)-555-5555  +
```
         1)   2)   3)
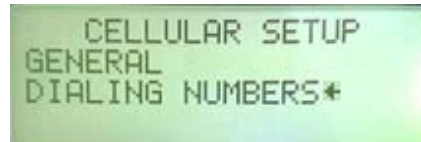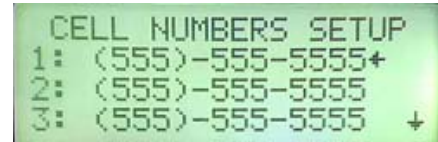
```
     EDIT NUMBER
ENTER FULL PHONE #
2: ( 55)-555-5555
PRESS ENTER TO SAVE
```
            4)

SMS Text Messaging

Warning! **Do not Text while operating any motored vehicle!**

1. Go to the Setup Menu and select Dialing.
2. Select SMS Text Messaging.
3. Select General.
4. Select Acknowledge Delay. (Acknowledge delay is used to give the SMS message receiver time to acknowledge the text message. It can be set from 10 seconds to5:50 minutes/seconds.
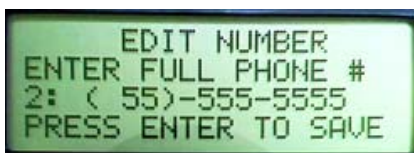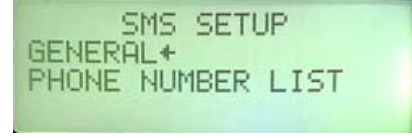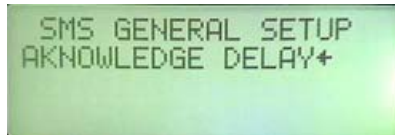5. Press Enter to save.

SETUP MENU General Dialing◆ Network	DIALING SETUP LANDLINE CALLING CELLULAR CALLING SMS TEXT MESSAGING◆↓	SMS SETUP GENERAL◆ PHONE NUMBER LIST
1)	2)	3)

SMS GENERAL SETUP AKNOWLEDGE DELAY◆	ALERT DELAY 01:00 MIN SEC PRESS ENTER TO EDIT
4)	5)

Adding/Changing SMS Text numbers
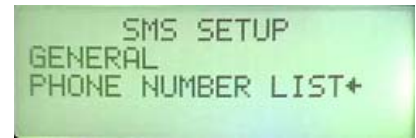
1. Go to the Setup Menu and select Dialing.
2. Select SMS Text Messaging
3. Select Phone Number List.
4. Select the number you want to change and press Enter.
5. Enter the full phone number. as soon as the last number is entered, the SMS number will be saved. Enter is not needed. Up to 10 phone numbers can be assigned.

SETUP MENU General Dialing◆ Network	DIALING SETUP LANDLINE CALLING CELLULAR CALLING SMS TEXT MESSAGING◆↓	SMS SETUP GENERAL PHONE NUMBER LIST◆
1)	2)	3)

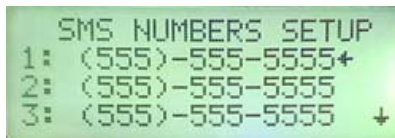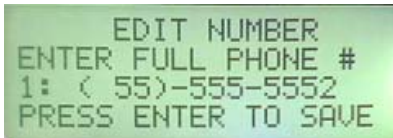|	
SMS NUMBERS SETUP 1: (555)-555-5555◆ 2: (555)-555-5555 3: (555)-555-5555 ↓	EDIT NUMBER ENTER FULL PHONE # 1: (55)-555-5552 PRESS ENTER TO SAVE
4)	5)

Notify List

The Notify List is a list of up to 10 numbers selected from any of the numbers entered in the DIALING SETUP menu. The numbers can be selected from any of the 3 different dialing lists. (Landline, Cellular and SMS) The Notify list can be any order you need.

1. Go to the Setup Menu and select Dialing.
2. Scroll down to Notify List.
3. Select a number (1.T1 in the example) in the list and press Enter.
4. Select Edit to change the number or select Delete to delete the number.
5. Use the Arrow Buttons to edit the letter and number. The numbers can be selected from any of the 3 different dialing lists. (Landline, Cellular and SMS) The Notify list can be any order you need.
    • Number prefixes are as follows

      C= Cellular

      T= SMS Text

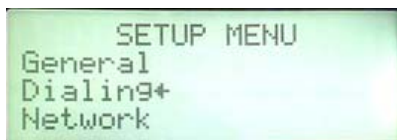   P= Landline

        Examples: (C5) Cellular list, fifth number in the list.

        (T4) SMS list, fourth number in the list.

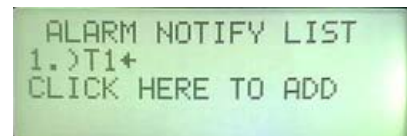   (P1) Landline list, first number in the list.

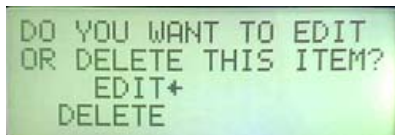6. To add numbers to call or Text, select "Click Here To Add" (See step 3 below).

SETUP MENU General Dialing↓ Network	DIALING SETUP NOTIFY LIST↓ ↑ ACKNOWLEDGE CODE	ALARM NOTIFY LIST 1.)T1↓ CLICK HERE TO ADD
1)	2)	3)
DO YOU WANT TO EDIT OR DELETE THIS ITEM? EDIT↓ DELETE	EDIT NOTIFY METHOD USING ARROWS: -<C1>- PRESS ENTER TO SAVE	
4)	5)	

Acknowledgment Code

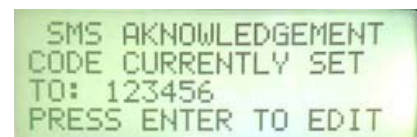This code is used to Acknowledge all types of Alert calls.

1. Go to the Dialing Setup Screen.
2. Scroll down to Acknowledgment Code and press Enter.
3. The current code is displayed. To Change press Enter.
4. Use the Number Pad and Arrow Buttons to edit. Press Enter to save.

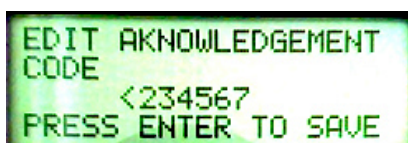|		
SETUP MENU General Dialing↓ Network	DIALING SETUP NOTIFY LIST ↑ ACKNOWLEDGE CODE↓	SMS AKNOWLEDGEMENT CODE CURRENTLY SET TO: 123456 PRESS ENTER TO EDIT
1)	2)	3)
EDIT AKNOWLEDGEMENT CODE <234567 PRESS ENTER TO SAVE		
4)		

Network Setup

The Base Box has to be setup to connect to any Auxiliary box and/or CT3 controls.

The Chore-Tronics® 3 control communicates via TCIP addresses and a specific name. The IP address must be in the same LAN range as the Broadcaster™ Base box. The name must start with CT3.

Example: CT3HOUSE1 for house 1. If more than 9 CT3 Controls, you will need to drop the "E" in House (**Example** CT3Hous10).

The IP of the Chore-Tronics® 3 will be entered in the Approved Aux list in the Base Broadcaster™.The Auxiliary box communicates via TCIP addresses and a Specific name. The IP address must be in the LAN range as the Base box Broadcaster™. The name must be the same on the Auxiliary in also in the Approved Aux list in the Broadcaster™ Base.

LAN Network

1. Determine what the LAN IP range has to be.
   • If a router has been installed see what its LAN IP is and use that IP range to set all the other devices connected to the network. If not a good IP range to use would be 192.168.2.xxx. The first three numbers must be the same and the last numbers must be different to all the connected devices.
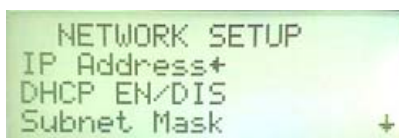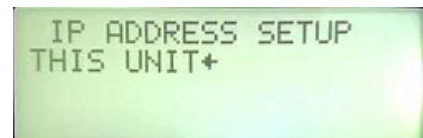
Base Box Network Setup

IP Address

1. From the Setup Menu select Network.
2. Select IP Address.
3. Select THIS UNIT from the IP Address Setup.
4. Select YES to edit the Static IP and then press Enter.
5. Use the Number Pad and Arrow Buttons to edit the current IP address. Press Enter to save.
6. The Broadcaster will restart.
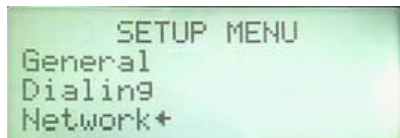
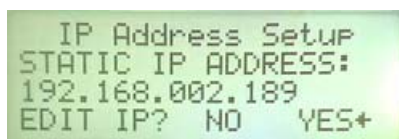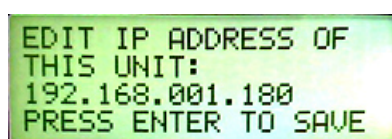1)   2)   3)
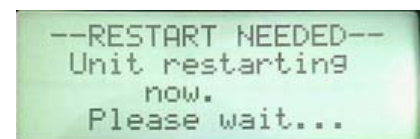

4)   5)   6)

DHP EN/DIS

   • In most installations the DHP EN/DIS is not used.

Subnet Mask

1. Select Subnet Mask from the list. Edit if needed.
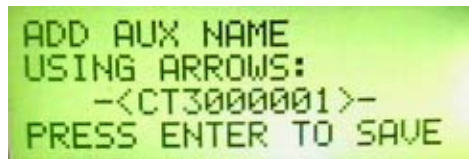
Approved AUX List

Approved AUX List is a list of all devices (Chore-Tronics® 3 and Auxiliary boxes) that are to be monitored by the Base Box.

Adding Chore-Tronics®3 Controls

1. Select Approved Aux List in the Network Setup Screen.
2. To add a Chore-Tronics® 3 Control press Enter. Enter a name starting with CT3. (In the example CT3000001). The one could be for "House 1" for example.
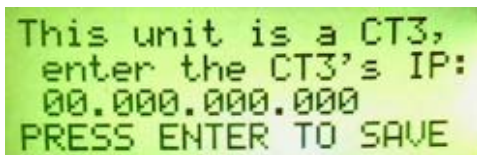
```
NETWORK SETUP
DefaultGateway        +
UseZeroBroadcast
Approved AUX List+
```
1)

```
ADD AUX NAME
USING ARROWS:
   -<CT3000001>-
PRESS ENTER TO SAVE
```
2)

3. Enter the IP of the Chore-Tronics® 3 Control and press Enter.

```
This unit is a CT3,
 enter the CT3's IP:
 00.000.000.000
PRESS ENTER TO SAVE
```

```
This unit is a CT3,
 enter the CT3's IP:
 192.168.001.010
PRESS ENTER TO SAVE
```
3)

Adding Auxiliary Boxes to the Main Box List

1. To add Auxiliary Boxes press Enter to add.
2. Use the Key Pad and Arrow Buttons to put in a new name.
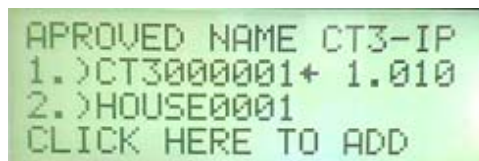   • Example (House 0001) for House 1.
Note: The Auxiliary Box must have the same name.

Two approved devices are in the list.

Note: The Broadcaster™ will restart after each house is added.

```
EDIT AUX NAME
USING ARROWS:
   -<HOUSE0001>-
PRESS ENTER TO SAVE
```
1)

```
APROVED NAME CT3-IP
1.)CT3000001+ 1.010
2.)HOUSE0001
CLICK HERE TO ADD
```
2)

3. To add more Auxiliary Boxes Scroll to "Click Here To Add" and press enter.
4. To add another Box (A 2nd CT3 Control) for example, press Enter. Enter a name starting with CT3. (In the example CT3000002). The one could be for "House 2" for example.
5. Do the same as you did in the example for setting up the 1st CT3 Control. (Top of page)

```
APROVED NAME CT3-IP
1.)CT3000001  1.010
2.)HOUSE0001
CLICK HERE TO ADD +
```
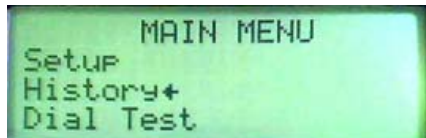3)
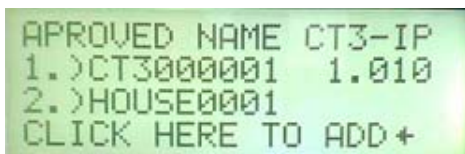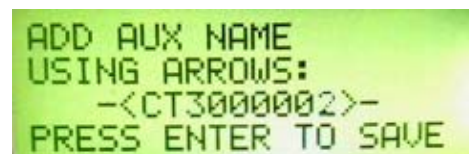
```
ADD AUX NAME
USING ARROWS:
   -<CT3000002>-
PRESS ENTER TO SAVE
```
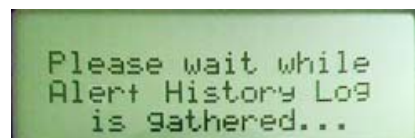4)

History

View History

1. Select History from the Main Menu.
2. Select View History.
3. The latest Alerts will be displayed.
4. Arrow down to see more past alerts.

MAIN MENU Setup History◆ Dial Test	History Menu View History◆ Copy History Delete History	Please wait while Alert History Log is gathered...
1)	2)	3)

```
Alert History
1   02/11 CT3H ALMO◆
2   02/11 CT3H TEMP
3   02/11 CT3H STAT  ◆
```
4)

Copy History

A USB drive is needed to download history.

DANGER: Electrical Hazard

1. Remove all power sources from the Broadcaster™.
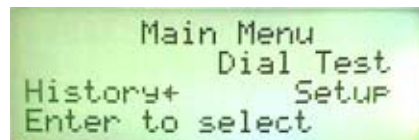2. Insert the USB drive in the USB Hub.

USB Drive

USB Hub

⚠ **DANGER**

ELECTROCUTION HAZARD!
Do not open this control box until electrical power is disconnected at circuit breakers.

2527-25

3. Power the Broadcaster™ back up.
4. Select History from the Main Menu.
5. Select Copy History.
6. Select Yes and Press Enter. The History is now copied to the drive.

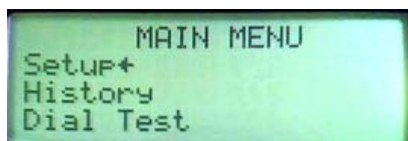|		
Main Menu Dial Test History◆ Setup Enter to select	History Menu View History Copy History◆ Delete History	Would you like to copy history file(s) to a USB drive? Yes◆ No
4)	5)	6)

7. Remove all power sources from the Broadcaster™.
8. Remove the USB drive. Close the front panel and tighten all the screws.
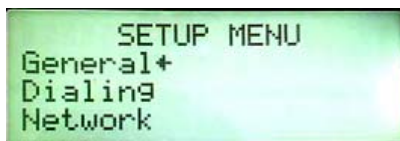9. Plug in the power adapter and place the battery backup switch to On. This will update the Broadcaster™ Software.

Auxiliary Box Setup

Time and Date (Auxiliary)
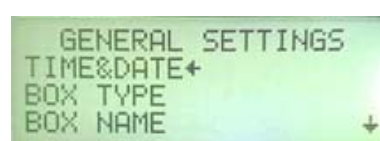
1. Go to the Main Menu and select Setup.
2. Select General.
3. Select Time and Date and Edit.
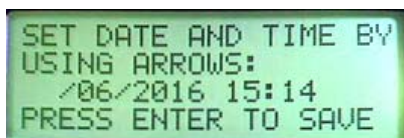4. Set Date and Time and press Enter.

```
       MAIN MENU
Setup+
History
Dial Test
```
1)

```
       SETUP MENU
General+
Dialing
Network
```
2)

```
    GENERAL SETTINGS
TIME&DATE+
BOX TYPE
BOX NAME          +
```
3)

```
SET DATE AND TIME BY
USING ARROWS:
   /06/2016 15:14
PRESS ENTER TO SAVE
```
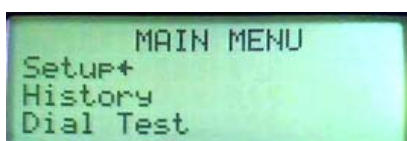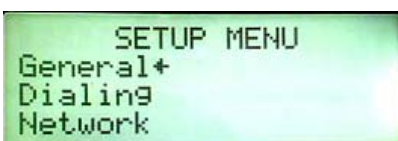4)

Box Type (Auxiliary)

1. Go to the Main Menu and select Setup.
2. Select General
3. Select Box Type.
4. Select AUX, and press Edit.
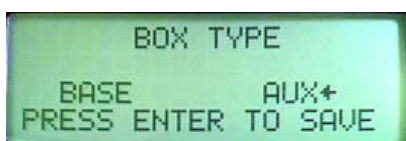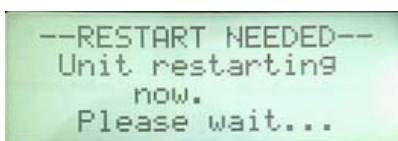5. The Broadcaster™ will restart.

```
       MAIN MENU
Setup+
History
Dial Test
```
1)

```
       SETUP MENU
General+
Dialing
Network
```
2)

```
    GENERAL SETTINGS
TIME&DATE
BOX TYPE+
BOX NAME          +
```
3)

```
        BOX TYPE

  BASE          AUX+
PRESS ENTER TO SAVE
```
4)

```
--RESTART NEEDED--
  Unit restarting
       now.
   Please wait...
```
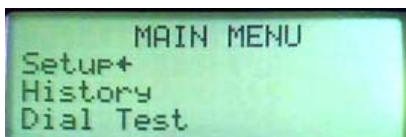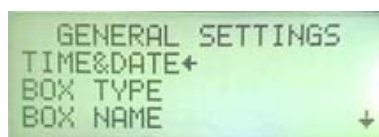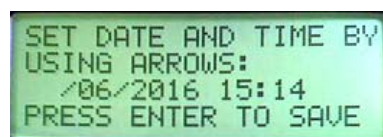5)

Auxiliary Box Clock Format

1. Go top the Main Menu and select Setup.
2. Edit Time and Date with the Arrow Buttons.
3. Press Enter to save.
4. Select Set 24/12 Hr Clock to edit the time format.
5. Move the Pointer to Yes and press Enter to change from the current format.

```
       MAIN MENU
Setup+
History
Dial Test
```
1)

```
    GENERAL SETTINGS
TIME&DATE+
BOX TYPE
BOX NAME          +
```
2)

```
SET DATE AND TIME BY
USING ARROWS:
   /06/2016 15:14
PRESS ENTER TO SAVE
```
3)

```
      TIME & DATE
Set Time and Date
Set 24/12 Hr Clock+
```
4)

```
24Hr / 12Hr Clock
Currently unit is
set to: 12 Hour
Change?   NO    YES+
```
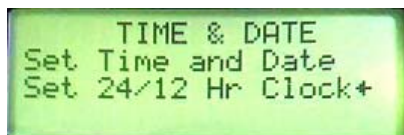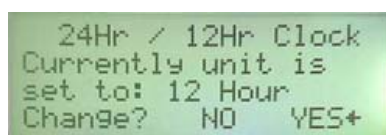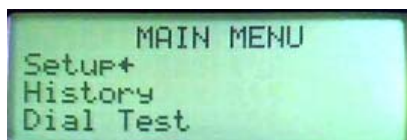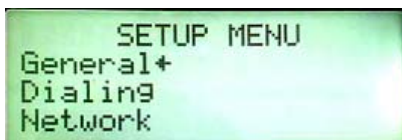5)

Auxiliary Box Names

1. Go to the Main Menu Setup Screen.
1. Enter the General Screen.
1. Enter the Box Name Screen.
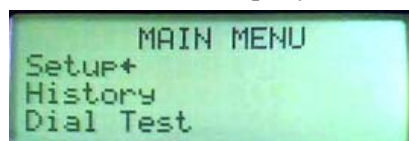2. Box Name and IP must match the name and IP entered in the Base Box approved Aux List.

MAIN MENU	SETUP MENU	GENERAL SETTINGS
Setup◆	General◆	TIME&DATE
History	Dialing	BOX TYPE
Dial Test	Network	BOX NAME◆ ↓

       1)   2)   3)

Alert Names (Aux.)

Note: Only SMS will display specific names.

1. Go to the Main Menu and choose Setup.
2. Select Alert Names and Edit.
3. Select Alert Names. This is where you can give a specific name to one or more of eight alert inputs.
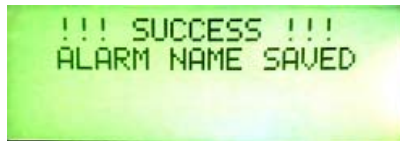4. Select the alert input you want to rename and press Enter.

MAIN MENU	GENERAL SETTINGS	THIS BOX ALARM NAMES
Setup◆	ALARM DELAY ↑	1:INPUT001◆
History	ALARM SUSPEND TIME	2:INPUT002
Dial Test	ALARM NAMES◆ ↓	3:INPUT003 ↓

       1)   2)   3)

EDIT ALARM 1	!!! SUCCESS !!!
NAME: NPUT001	ALARM NAME SAVED
PRESS ENTER TO SAVE	

       4)   5)

Broadcaster™ Testing

Warning: This Device must be tested at least 1 time per week. Failure to do so can result in no alert notification and a loss of production.

Call/Text Testing

SMS text message- If the date and time are setup correctly, then a Weekly text message will be sent every Wednesday at 12:00. The message only goes to the first text number in the list and will be sent only one time. Sending the correct acknowledgment code will conclude the test and it will be recorded that the user responded to the test.

Cellular Calling- It is recommended that a test call be run one time per week. This can be done from the Dial Test Screen.

Landline Calling- It is recommended that a test call be run one time per week. This can be done from the Dial Test Screen.

System Alert Testing

It is recommended that at least 1 time per week, a test alert is sent from the control(s) being monitored. It is recommended that the alert be allowed to move through every number in the notify list to make sure that number is called and/or sent an SMS message.

Battery Testing

It is recommended that at least 1 time per month, the battery is checked on the Broadcaster™. To check the battery, remove the power cord and allow the system to keep running on the battery backup. Allow the Broadcaster™ to contact all numbers on the notify list before ending the test. The battery should have enough power to go through the entire notify list at least one time. If it cannot, then the battery must be changed.
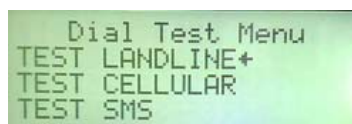
Testing Modems

Landline Modem Testing

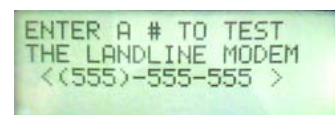Note: Modems should be tested at least once per week.
1. Select Dial Test from the Main Menu.
2. Select TEST LANDLINE.
3. Enter the Phone number you want to call.
4. As soon as the last number is entered the Broadcaster™ will start dialing. Answer the call and enter your Acknowledge code.
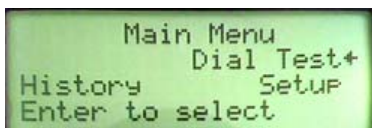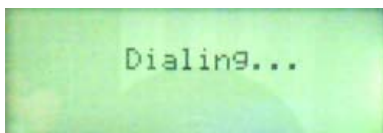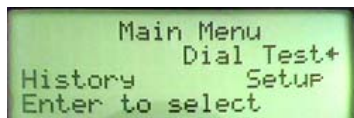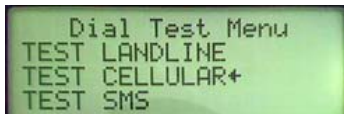

1)

2)

3)

4)

Cellular Modem Testing

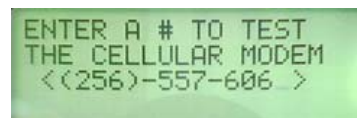Note: Modems should be tested at least once per week.
   1. Select Dial Test from the Main Menu.
   2. Select TEST CELLULAR.
   3. Enter the phone number you want to call.
   4. As soon as the last number is entered the Broadcaster™ will start sending a text.
   5. When you receive the text, enter the correct acknowledgment code.

```
    Main Menu
           Dial Test+
History        Setup
Enter to select
```
1)

```
    Dial Test Menu
TEST LANDLINE
TEST CELLULAR+
TEST SMS
```
2)

```
ENTER A # TO TEST
THE CELLULAR MODEM
 <(256)-557-606 >
```
3)

```
    Dialing...
```
4)

SMS Texting Modem Testing

Note: Modems should be tested at least once per week.
   1. Select Dial Test from the Main Menu.
   2. Select TEST SMS.
   3. Enter the phone number you want to call.
   4. As soon as the last number is entered the Broadcaster™ will start sending a text.
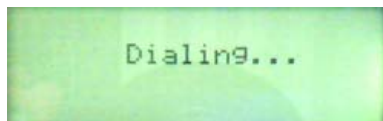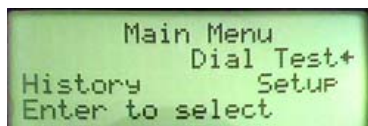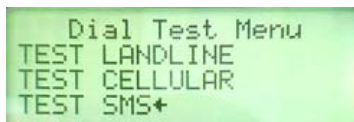   5. When you receive the text, enter the correct acknowledgment code.

```
    Main Menu
           Dial Test+
History        Setup
Enter to select
```
1)

```
    Dial Test Menu
TEST LANDLINE
TEST CELLULAR
TEST SMS+
```
2)

```
ENTER A # TO SEND
A TEST MESSAGE OUT
 <(   )-   -    >
```
3)

```
A SMS was sent.

Now waiting for
a response SMS
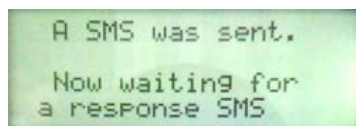```
4)

```
., hanging up...

  Now waiting for
Na response SMS....#
```
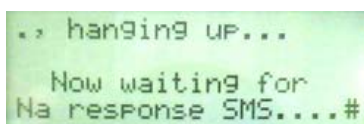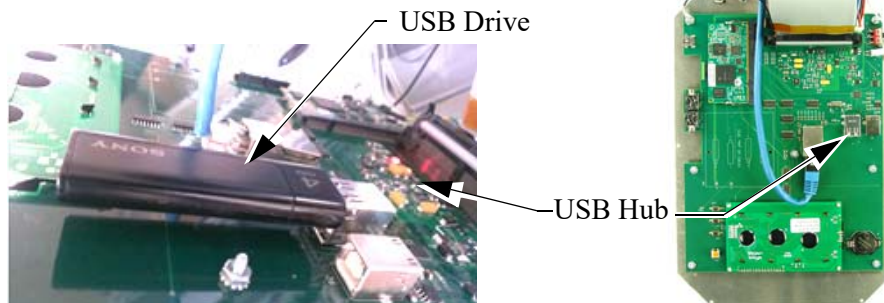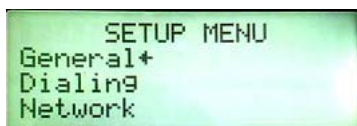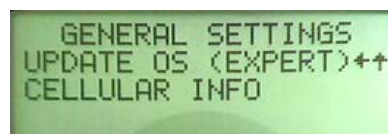5)

# Updating Broadcaster™ Software

### DANGER: Electrical Hazard

1. Remove all power sources from the Broadcaster™.
2. Insert the USB drive in the USB hub. Power the Broadcaster™ back up.

USB Drive

USB Hub

2461-075 11/2016

**⚠ DANGER**

**ELECTROCUTION HAZARD!**
Do not open this control box until electrical power is disconnected at circuit breakers.
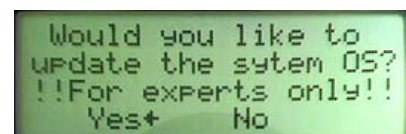
2527-25

3. Go to the Main Menu and select Setup.
4. Scroll down to Update OS (EXPERT) and press Enter or Select.
5. Select Yes to start the update.
6. The Broadcaster™ will restart when the update is done.
7. During the boot up process, one of the screens will display the new version level.

```
SETUP MENU
General+
Dialing
Network
```
3)

```
GENERAL SETTINGS
UPDATE OS (EXPERT)++
CELLULAR INFO
```
4)

```
Would you like to
update the sytem OS?
!!For experts only!!
   Yes+   No
```
5)

```
OS Image is now
  updating...
Unit will reboot
upon completion.
```
6)

```
****
* CTB BROADCASTER *
* Version: 1.5.35 *
****
```
7)

8. Remove all power sources from the Broadcaster™.
9. Remove the USB Drive. Close the front panel and tighten all the screws.
10. Plug in the power adapter and place the battery backup switch to On.
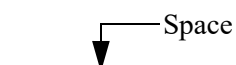
# Hot Keys

## Operator Panel Hot Key Combinations

Use the following number combinations to perform these operations from the Current Conditions Screen.

```
3/12/2016      10 54AM
Cond: Normal     7.H1
```
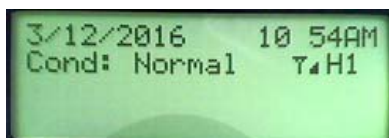
3 + 9 = Arm/Disarm
1 + 7 = Activate Cell Modem
2 + 5 = Acknowledge an alert

SMS Text commands

Send these text commands to the Base Unit via SMS message to perform the following.

Space

disarm 123456	Disarms the unit if already armed.
arm 123456	Arms the unit if already disarmed.
reset 123456	Performs a soft reset on the current system alert status
status 123456	Returns a SMS with the current system alert status
ack 123456, or 225123456	Acknowledges any current alerts that are present.

Cell Modem Sim Card Installation (GSM/ATT)

Sim Card

Sim Card Mounting Bracket
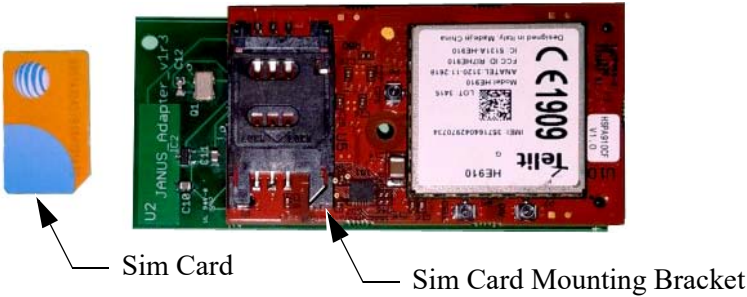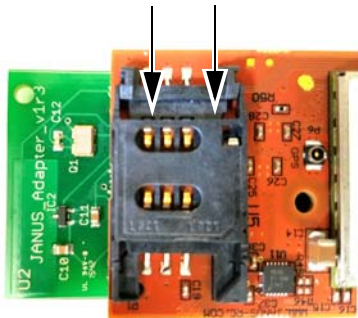
Step 1) Slide to Unlock   Step 2) Open Door   Step 3) Insert Sim Card
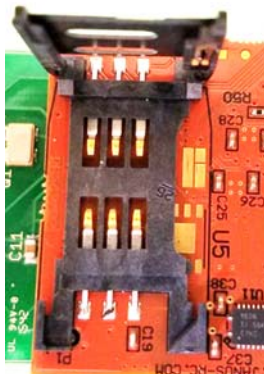
Notched Corner

Step 4) Close the Door   Step 5) Slide to Lock

Push down slightly on Sim Card while sliding.
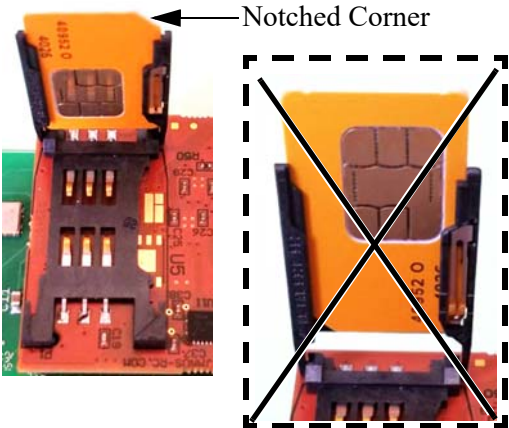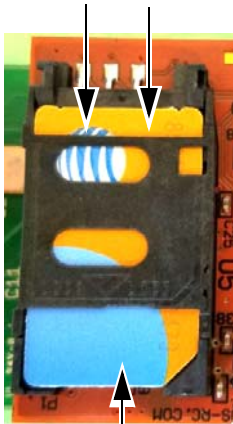
Broadcaster Setup changes for version 1_7_09 and above

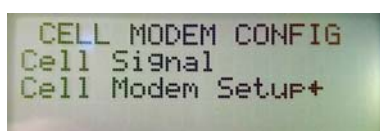The Cell and Land line modems must be saved before any other setup.

Follow these directions to setup the installed modems. If no cell modem is installed follow the same steps.

Use the following number combinations to perform these operations from the Current Conditions Screen.
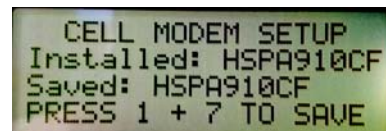
1. From the General Settings menu scroll down to Cell modem config option and select.
2. Select Cell Modem Setup.
3. In a first time install the Modem that is installed will be listed, and "Saved" will be blank, or "None" will be listed. Press the 1 and 7 button to Save the current Cell modem.
4. Select Yes to verify you want to save the Modem.
5. Modem Saved.

GENERAL SETTINGS Update OS (EXPERT) ↑ Cell Modem Config↓ Land Modem Config	CELL MODEM CONFIG Cell Signal Cell Modem Setup↓	CELL MODEM SETUP Installed: HSPA910CF Saved: HSPA910CF PRESS 1 + 7 TO SAVE
1)	2)	3)
!!! WARNING !!! Are you sure you want to change modem Yes↓ No	CELLULAR MODEM SUCCESSFULLY SAVED AS: HSPA910	CELL MODEM SETUP Installed: HSPA910CF Saved: HSPA910CF PRESS 1 + 7 TO SAVE
4)	5)	

Land Line Modem

Follow these directions to setup the installed modems. If no Land modem is installed follow the same steps and save none.

1. From the General Settings menu, scroll down to Land Modem config option and select.
2. Select Land Modem Setup.
3. In a first time install the Modem that is installed will be listed and the "Saved" will be blank or "None" will be listed. Press the 1 and 7 button to Save the current Cell modem.
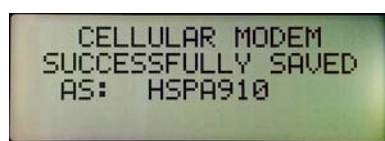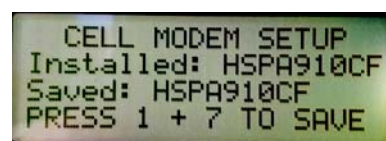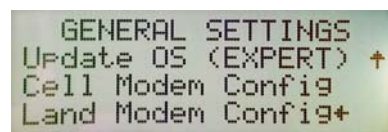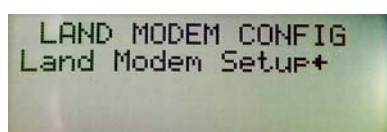4. Select Yes to verify you want to save the Modem.
5. Modem Saved.

GENERAL SETTINGS Update OS (EXPERT) ↑ Cell Modem Config Land Modem Config↓	LAND MODEM CONFIG Land Modem Setup↓	LAND MODEM SETUP Installed: MTS Saved: MTS PRESS 1 + 7 TO SAVE
1)	2)	3)
!!! WARNING !!! Are you sure you want to change modem Yes↓ No	LANDLINE MODEM SUCCESSFULLY SAVED AS: MTS	LAND MODEM SETUP Installed: MTS Saved: MTS PRESS 1 + 7 TO SAVE
4)	5)	

Wiring

Fiber Ethernet (Wiring

Broadcaster
Main Box
8 dry Contact Inputs

Ethernet Cable

CT3 Main Box

Ethernet Cable

6 Port Fiber Switch

Tx Rx Tx Rx

Ethernet Cable

Ethernet Cable

CT3 Controls send specific Alarms directly
to the Broadcaster Main Box

CT3 Main Box

6 Port Fiber Switch

Tx Rx Tx Rx

Ethernet Cable

Broadcaster Aux Box
(8 dry Contacts)

Fiber Switches are: 10/100
RJ45 to 1 Fiber Port

CT3 Main Box

6 Port Fiber Switch

Tx Rx Tx Rx

Alarm Inputs to Broadcaster (Twisted Pair)

Ethernet Cable

ELT

6 Port Fiber Switch

Tx Rx Tx Rx

Ethernet Cable
Ethernet Cable

Fnet

Fnet

Fnet

Wireless Radios (CT3 and other Chore-Tronics Controls) Wiring

Internet Router

Alarm

CT3 Main Box

Ethernet Cable

Broadcaster
Main Box
8 dry Contact Inputs

Ethernet Cable

Ethernet Cable

CT3 Controls send specific Alarms directly
to the Broadcaster Main Box

CT3 Main Box

Ethernet Switch

Alarm

Ethernet Cable

Broadcaster
Aux Box
(8 dry contact inputs)

CT3 Main Box

Ethernet Switch

Alarm

Alarm Inputs to Broadcaster (Twisted Pair)

Ethernet Cable

ELT

Ethernet Switch

Alarm

Fnet

Fnet

Fnet

Ethernet Cat 5e-6 (CT3 and other Chore-Tronics Controls) Wiring

Internet Router

CT3 Main Box

Broadcaster
Main Box
8 dry Contact Inputs

Ethernet Cable

Ethernet Cable

CT3 Controls send specific Alarms directly
to the Broadcaster Main Box

CT3 Main Box

Ethernet Switch

Ethernet Cable

Broadcaster
Aux Box
(8 dry contact inputs)

CT3 Main Box

Ethernet Switch

Alarm Inputs to Broadcaster (Twisted Pair)

Ethernet Cable

ELT

Ethernet Switch
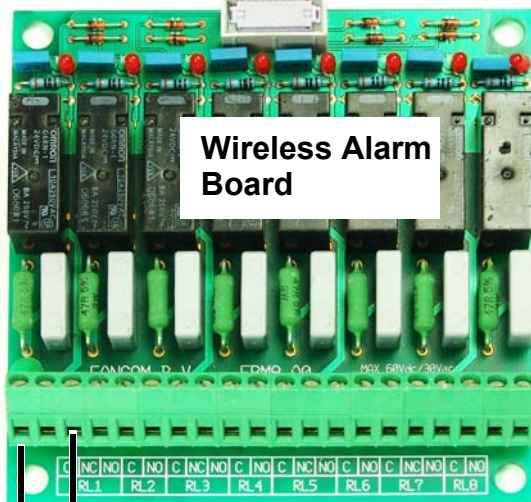
Fnet

Fnet

Fnet
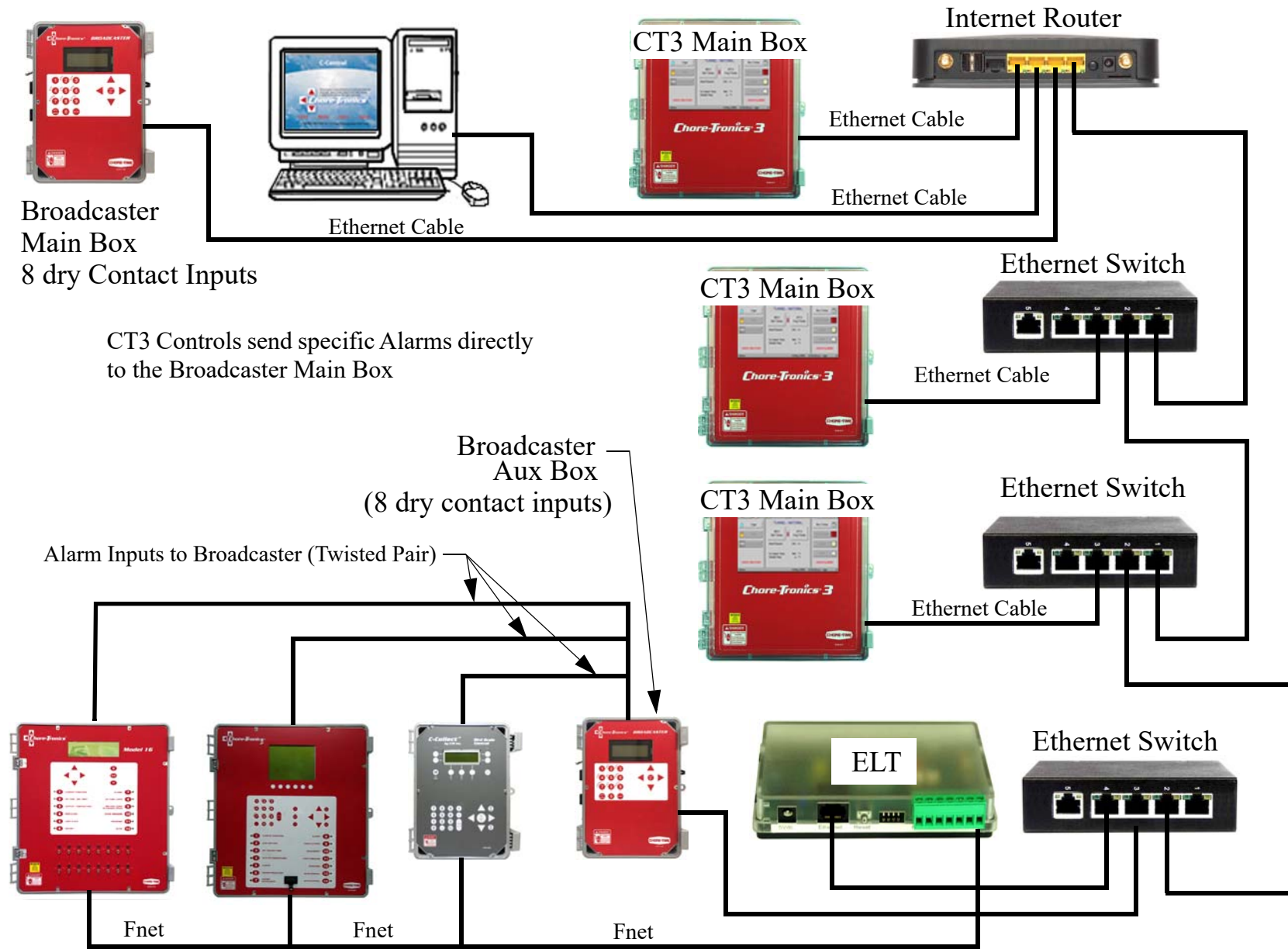
30 CT2 Alarm Relay Kit (50246) Wiring
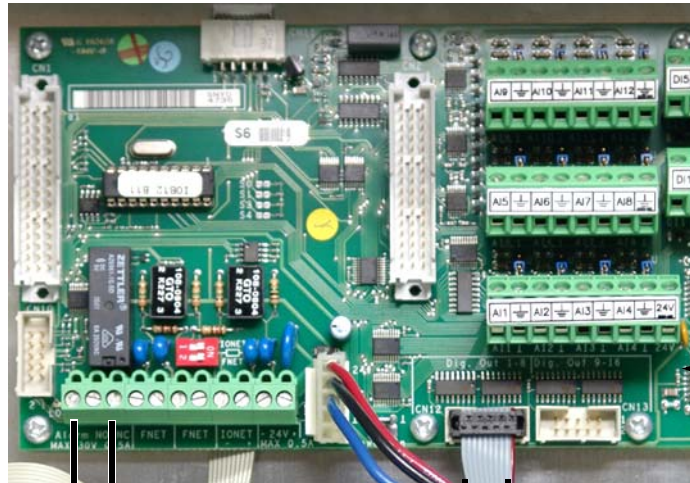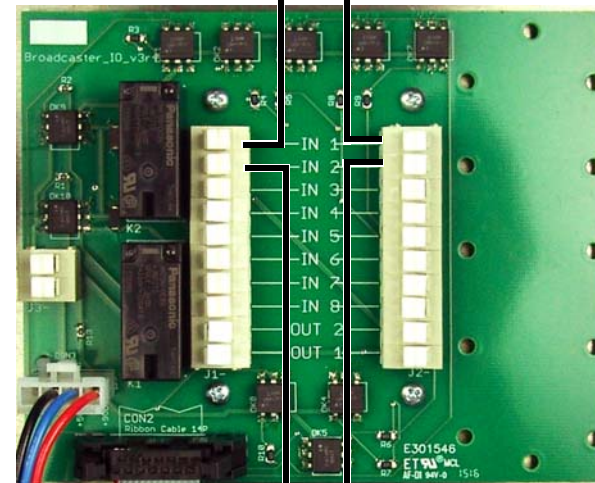

CT2 I/O /Board

1. Connect the Flat Cable as shown.
2. Remove the Common Jumper Wired if not needed.
3. All outputs are SPDT dry contack (Com./NC./NC.)
4. Broadcaster connects to the Com and NO.
5. Outputs:
   1. High or Low Temperature on any mode temp sensor.
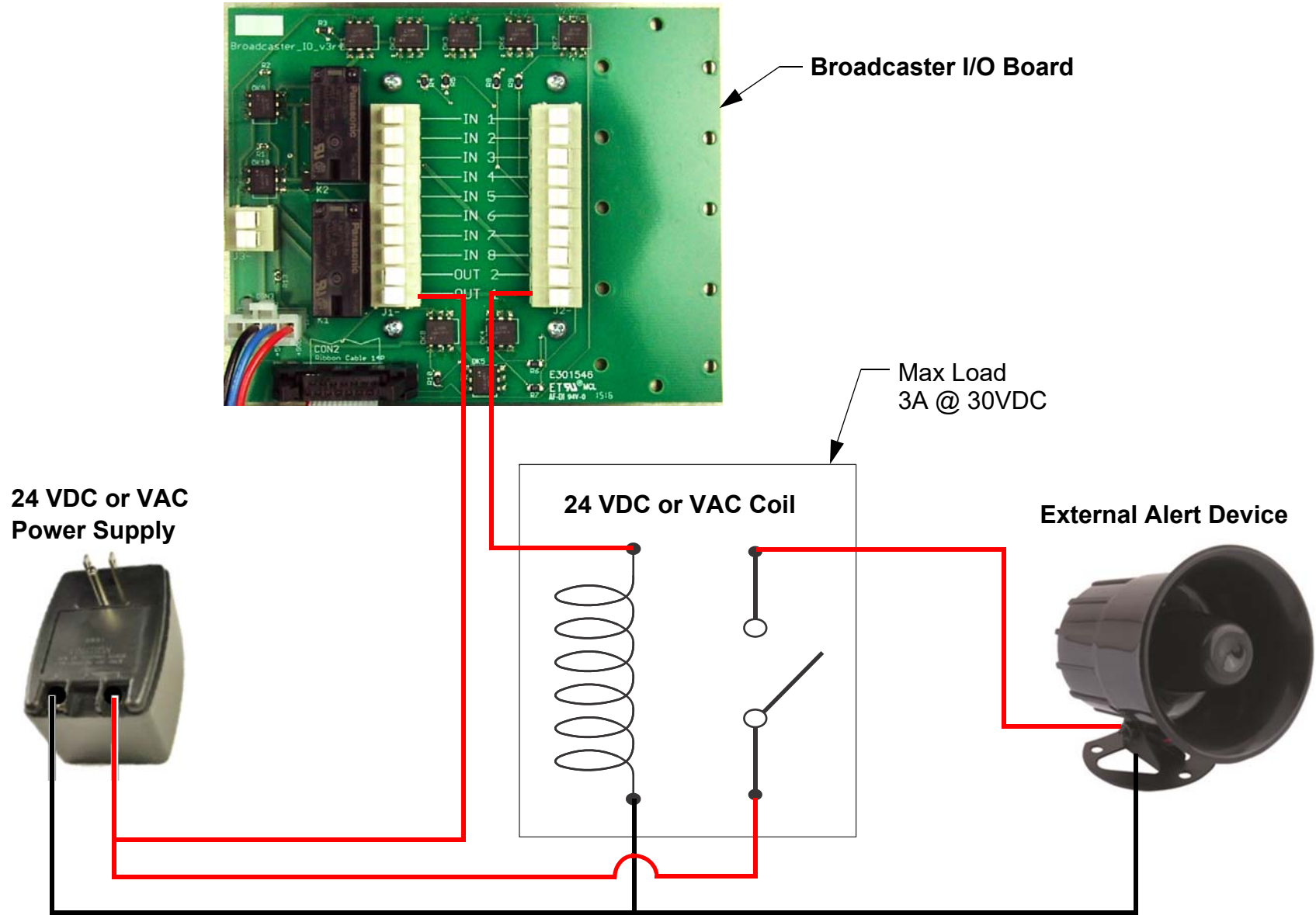   2. High or Low Static Pressure.
   3. Low Water Pressure.

Broadcaster I/O Board

Connect Flat Cable

Wireless Alarm Board

External Alert (Alarm) Wiring

Broadcaster I/O Board

IN 1
IN 2
IN 3
IN 4
IN 5
IN 6
IN 7
IN 8
OUT 2
OUT

Max Load
3A @ 30VDC

**24 VDC or VAC
Power Supply**

24 VDC or VAC Coil

External Alert Device

# Power Transfer Box Auxiliary Relay Connection Wiring

The Relay in the Generator that monitors the current mode of Power Source must be connected to the Broadcaster so that the input sees a closed circuit when in Standby (Backup) mode. This Input is still delayed by the Alert Delay Setting.
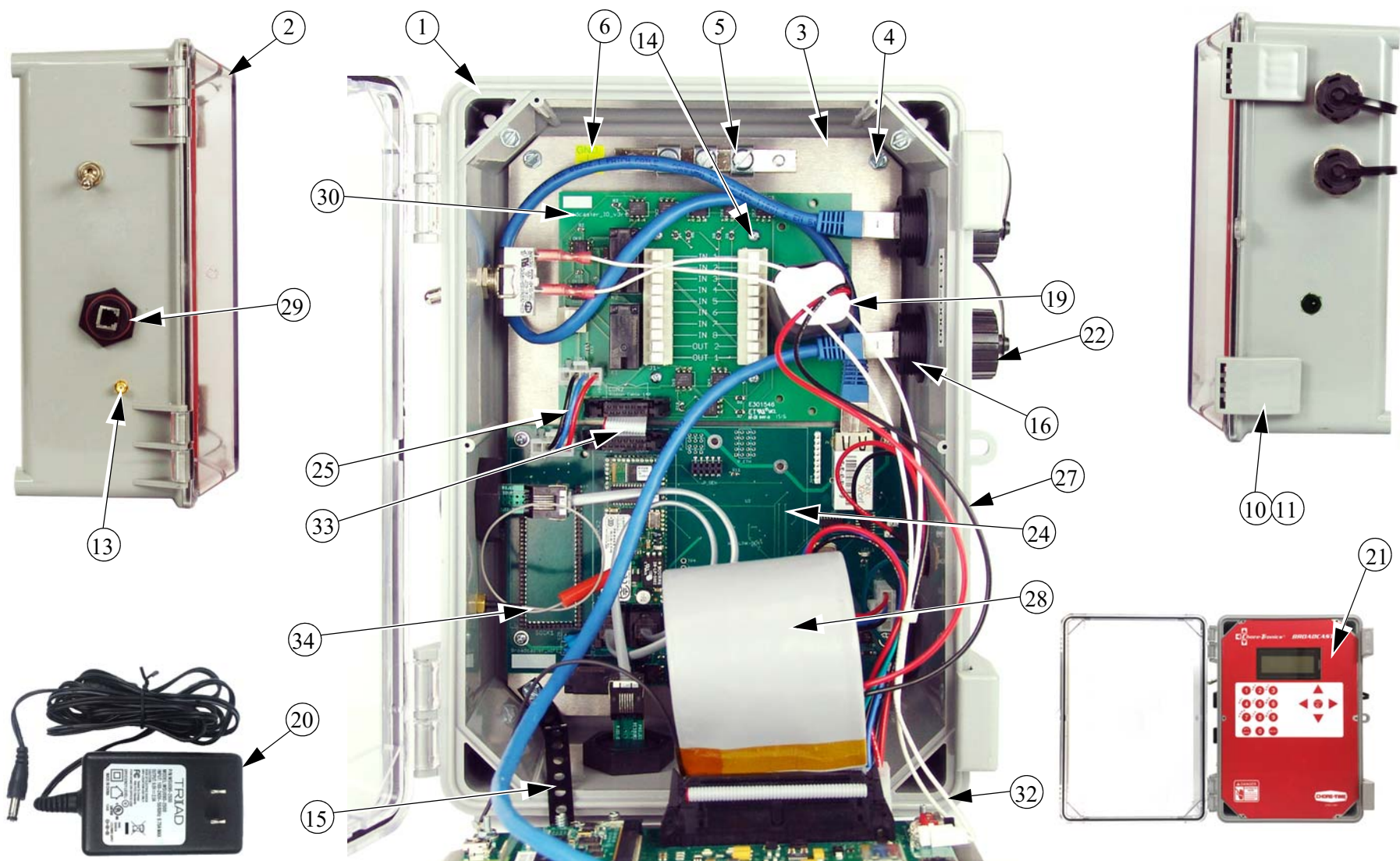
The Generator can be connected to any of the 8 Inputs.

Test the wiring Alert by performing a Generator Test Cycle. If no alert after the alert delay time, check all the connections and dialing setup.


Broadcaster I/O Board

Common

Normally Open
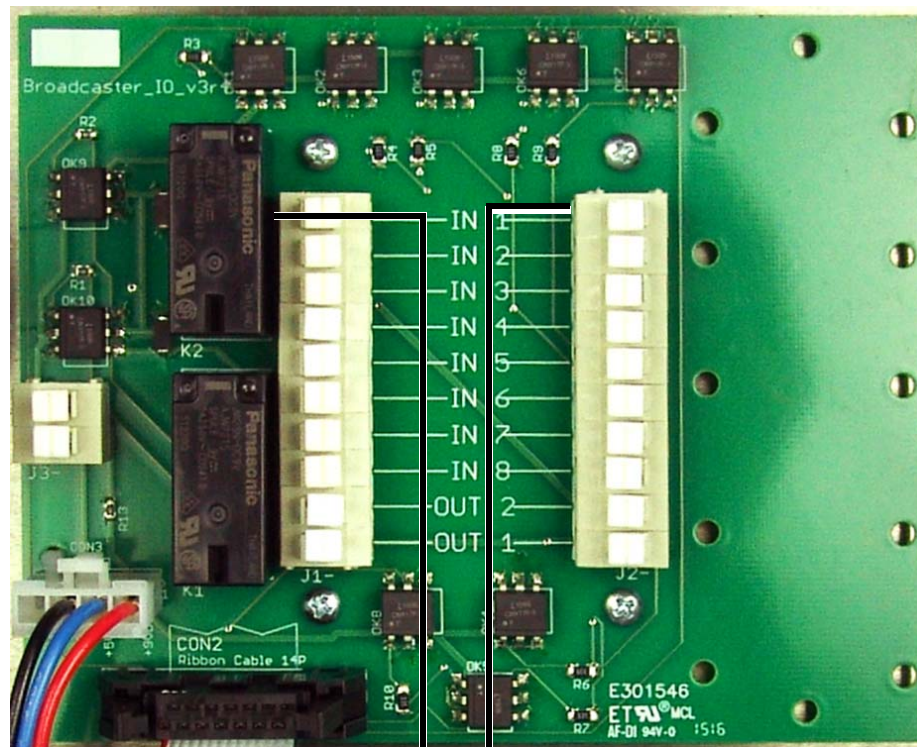
Normally Closed
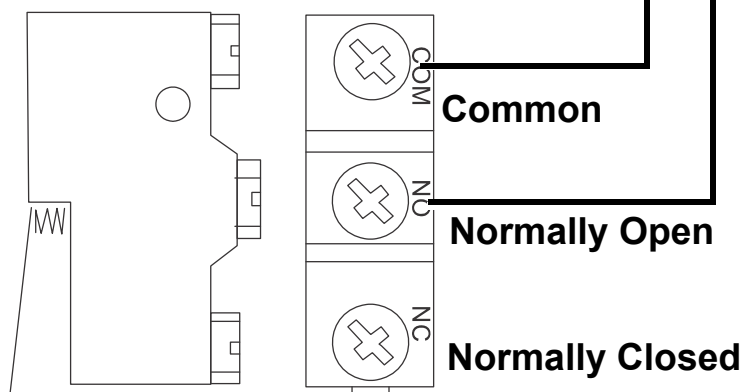
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Parts Listing

2434-020b 03/2014

Item	Description	Part No.
1	4 x 8 x 11 Control Box	30860-3
2	Plain Control Box Lid	30859-1
3	Ethernet alert Base Plate	54018
4	#8 x .375 HXWH Screw	13019
5	3.15 Grounding Rail	43384-2
6	Ground Symbol Decal	2527-63
7	Ethernet alert Top Plate	54017
8	Nylon Spacer	43383
9	4-40 CZ Hex Nut	3511
10	Control Box Latch	30862
11	Control Box Latch Pivot	30863
12	4-24 x .25 SS Panhd. Screw (Not Shown)	28696
13	SMA Dust Cap	55954
14	#4-40 X .25 Phil. Pan head Screw	46987
15	Strapping	29014-4
16	Conn RJ45 Rcpt W/Cover IP67	55953
17	Variscite SOM Module	51846
18	CAT5 Double Shielded Blue Cable	55951
19	Lithium Coin 3V 20mm Battery	55952
20	9V DC Power Supply	55568
21	Broadcaster Front Decal	2529-1096
22	Bulkhead Dust Cap	55954
23	Broadcaster Display	54015
24	Broadcaster WiFi	55569
25	IO Power Wire Harness	55955
26	Power Display Wire Harness	51962
27	AA Battery Wire Harness	55956
28	50 Pin Ribbon Wire Harness	55957
29	RJ-11 6p6c Bulkhead	55958
30	Broadcaster IO	54016
31	1/8 x 1 Rubber Cap (Not Shown)	55961
32	Switch Wire Harness	55959
33	14 Pin Ribbon Wire Harness	55960
34	RP-SMA to U.FL 105 mm Cable	55967
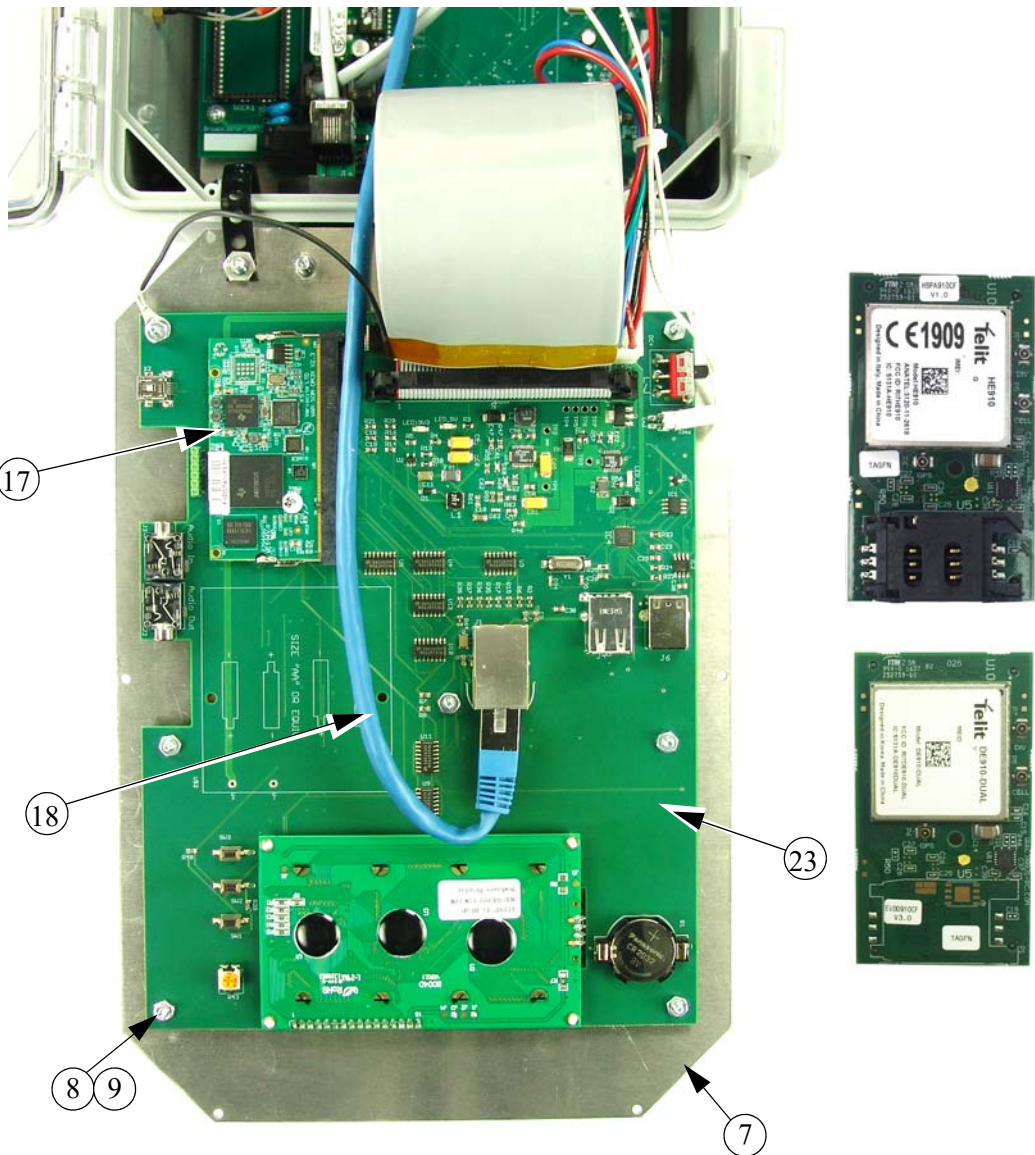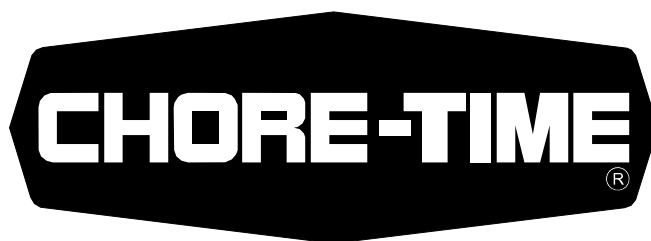
CHORE-TIME®

MADE TO WORK.

BUILT TO LAST.®

Revisions to this Manual

Page No.	Description of Change	ECO
	New Manual	32295

Contact your nearby Chore-Time distributor or representative for additional parts and information.