User manual and installation guide

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Introducing the Timed Event Box

The Timed Event Box (**model TEB-6**) is an easy-to-use control with six relays for switching equipment on or off at specific times. Each relay can be programmed for **normal mode** to operate every day, or **skip-a-day mode** to operate every second day. There can be up to 75 events per day, per relay.

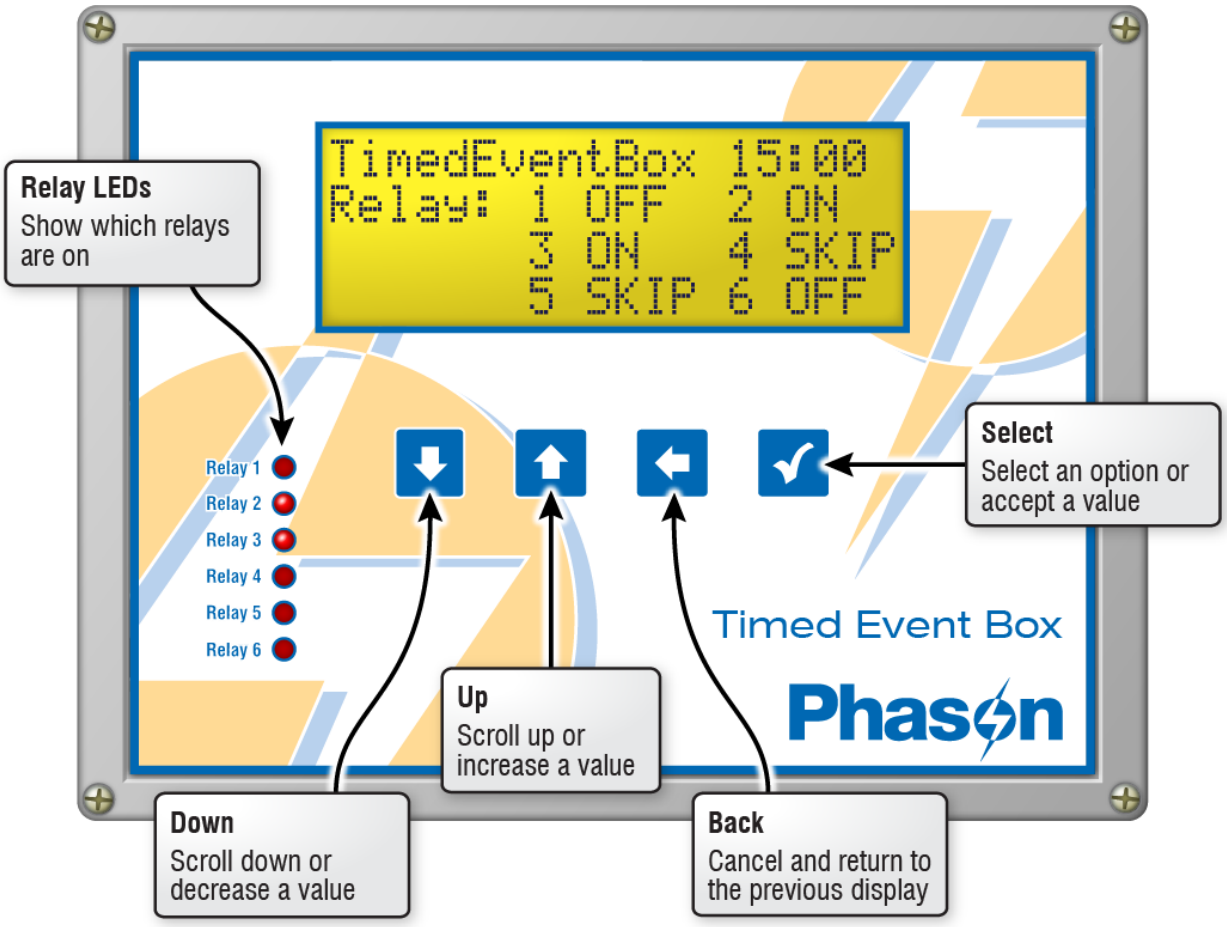
The large 20-character, 4-line display makes it easy to navigate and program the control, or to check the status of your relays with a quick glance.

The Timed Event Box is commonly used to operate feed augers, manure scrapers, grain bin dryers, lighting, fans, and heaters. The Timed Event Box is ideal for any application where you need to switch a piece of equipment on or off at specific times during the day.

Features

- Two automatic modes:
  - **Normal mode** switches on/off at event times every day
  - **Skip-a-day mode** switches on/off at event times every second day
- Up to 75 events per day, per relay
- Manual override
- Six general-purpose relays
- Twenty-character, four-line backlit LCD display
- Status LEDs
- Real-time clock with power-failure settings protection
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- cCSAUS approval
- 2-year limited warranty

Becoming familiar with the TEB



Menus and displays

Main display

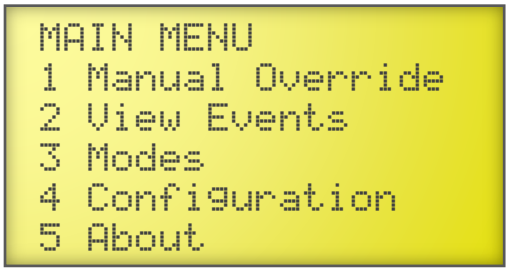
Shows the time and status of the relays
Press **Select** to go to the main menu.

NOTE

If you leave the Timed Event Box in a display or menu other than the main display, it returns to the main display after five minutes without a key press. The only exception is manual override; the control remains in override until you manually exit it.

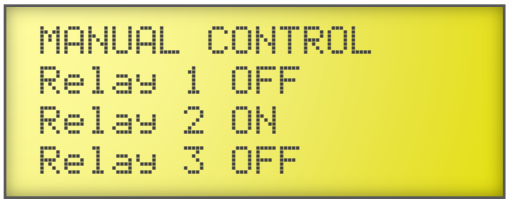
Main menu

Provides access to information, settings, and the configuration menu.
Press **Up** or **Down** to move through the menu.
Press **Select** to access an item.



Manual override menu

Allows you to manually switch relays on or off.
For more information, read **Manual override** on page 14.



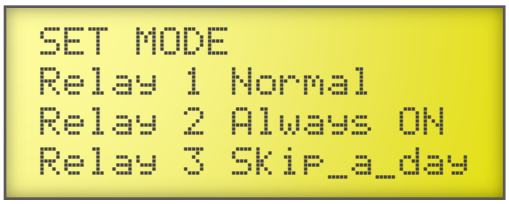
Events menu

Allows you to add, edit, or delete timed events.
Events are in 24-hour time.
For more information, read **Events** on page 12.

Modes menu

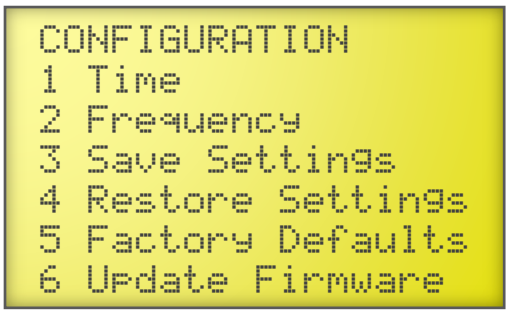
- Normal: relay switches on/off at event times every day
- Skip-a-day: relay switches on/off at event times every second day
- Always on: relay is always on
- Always off: relay is always off

For more information, read **Modes** on page 12.



Configuration menu

- Provides access to configuration.
- Press **Up** or **Down** to move through the menu.
- Press **Select** to access an item.



About display

Shows the version and date of the firmware.

What you need to know before installing the TEB

It is important that you read the following sections **before** you install your control.

- **Understanding power surges and surge suppression** below.
- **Reducing electrical noise using filters** below.
- **Electrical ratings** on page 7.
- **Using power contactors to increase the capacity of relays** on page 8.

Understanding power surges and surge suppression

Power surges can be caused by external influences (for example, lightning or utility distribution problems) or they can be caused internally (for example, starting and stopping inductive loads such as motors).

One of the most common causes of power surges is lightning. When lightning strikes the ground, it produces an enormously powerful electromagnetic field. This field affects nearby power lines, which transmit a surge to any device connected to it, such as lights, computers, or environmental controls like your TEB. Lightning does not have to strike a power line to transmit a surge.

- ◇ If you do not install external surge suppression devices, you risk damage to the electronics inside your TEB, which may cause your TEB to fail.
- ◇ Because it is not possible to **completely** protect this product internally from the effects of power surges and other transients, we **highly recommend** that you install external surge suppression devices. For specific recommendations, see your electrical contractor.
- ◇ If you do not take these precautions, you acknowledge your willingness to accept the risk of loss or injury.

Reducing electrical noise using filters

Electrical noise is caused by high voltage transients created when inductive loads, such as power contactors, are switched on or off. The strength of the transients can be over 1000 volts and can vary with the type of equipment and wiring, as well as several other factors.

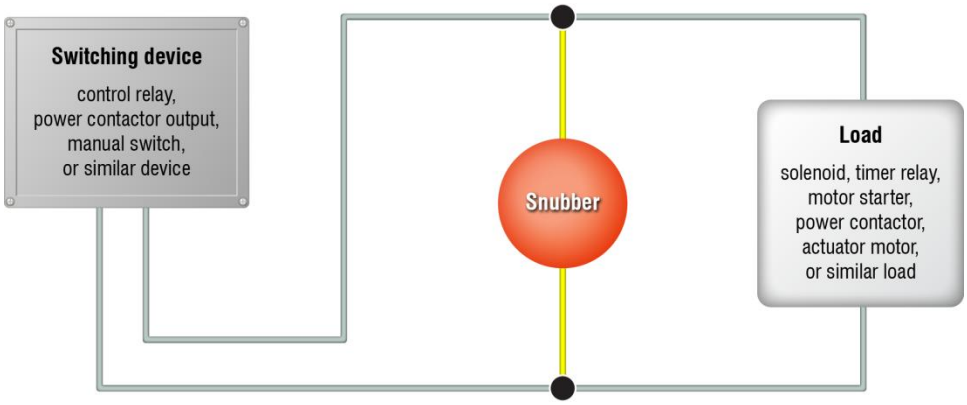
Visible symptoms of electrical noise include erratic control operation, cycling inlets, communication problems, and more. However, the effects of electrical noise are not always visible. Over time, electrical noise can cause electronic circuits, relay contacts, and power contactors to deteriorate.

Installing filters helps extend the life of equipment

Filters help prevent electrical noise problems by absorbing the transient energy. Even if you do not have *visible* symptoms of electrical noise, filters help keep controls operating reliably and can extend the life of the controls and equipment connected to them.

Phason's snubber filters (part number 127-0) are for use with solenoids, timer relays, DC motors, furnaces, and other equipment connected to the control's relays. You can also use the filters with loads connected to power contactors.

Install a filter in parallel with the load, as shown in the following example.



TIP

- Some power contactors include snubber filters. For more information, read **Using power contactors to increase the capacity of relays** on page 8.
- For more information about snubber filters or other Phason accessories, see your dealer or visit **www.phason.ca**.

Electrical ratings

Input power **Control fuse**	120/230 VAC, 50/60 Hz 250 V, 1 A fast-acting glass
Relays 1 to 6 ①	10 A at 120/230 VAC general-purpose (resistive) 1/3 HP at 120 VAC, 1/2 HP at 230 VAC 360 W tungsten at 120 VAC 250 VA at 120 VAC for pilot-duty use
① You can connect more than one piece of equipment to a relay as long as they are the same type (for example, two fans) and the total current and horsepower draw does not exceed the relay's limit.	

Using power contactors to increase the capacity of relays

Phason's 240-volt power contactors are heavy-duty relays that allow you to increase the load handling capability of control relays. Power contactors are ideal for secondary ventilation fans and electric heaters.

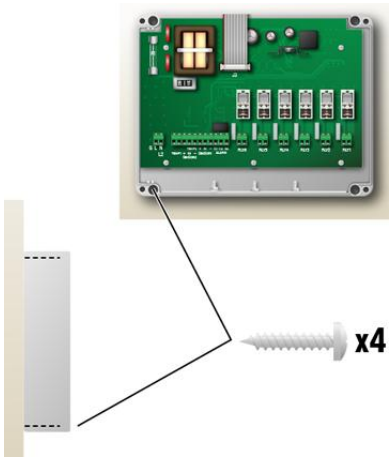
Phason's power contactor relays have the following electrical ratings.

- Coil: 10.2 mA at 240 VAC
- Contact: 25 A at 240 VAC; resistive
  2 HP at 240 VAC, 1 HP at 120 VAC; motor, power factor 0.4
  1300 W at 120 VAC; tungsten

For more information, read **Power contactors** on page 17.

Mounting your control

1. Select a location for your control. Make sure you have enough cable and wire to reach all the equipment you want to control.
2. Remove the screws from the front cover and then gently lift it off.
3. Mount the enclosure to a wall using the four screws provided with the control. Insert the screws into the large holes in each corner of the box and then tighten.



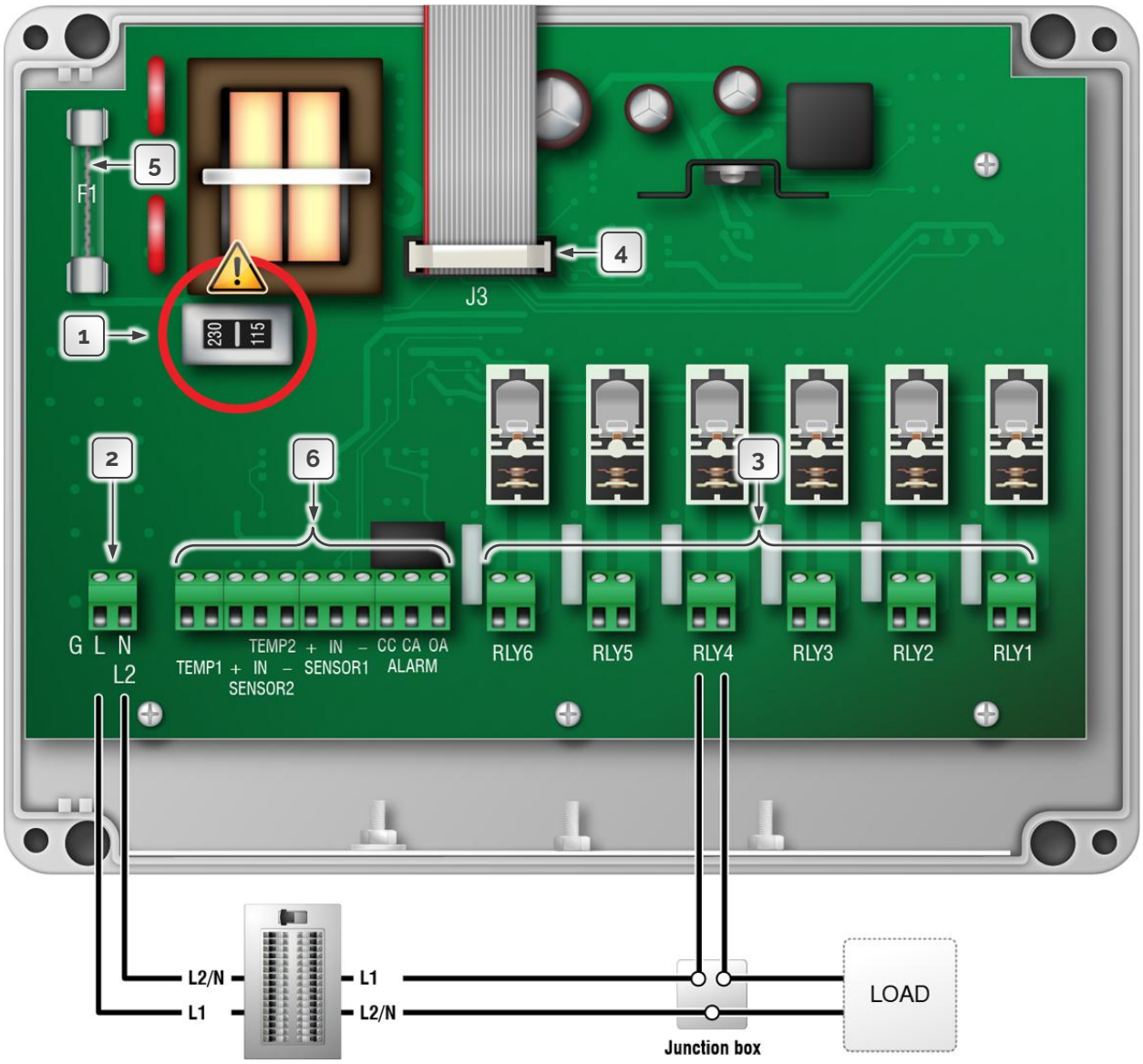
Installing your TEB

Use the electrical knockouts for bringing wires or cables into or out of your control's enclosure. Do not make additional holes in the enclosure; this can damage the watertight seal or control components and void the warranty.

Before connecting the incoming power, switch OFF the power at the source. Do not switch ON the power until you have finished all wiring and verified all equipment is properly connected and free of obstructions.

Before connecting the power, set the voltage selection switch to the correct voltage.

Connecting power and equipment



1	**Voltage selection switch:** set the switch to the correct voltage before installing your control.
2	**Incoming power terminal:** connect the incoming power (120/230 VAC, 50/60 Hz) to this terminal.
3	**General-purpose relay terminals** (RLY1 to RLY6): connect your loads to these terminals.
4	**Display cable:** make sure the ribbon cable from the display is properly connected.
5	**Control fuse** (F1): 250 V, 1 A fast-acting glass.
6	**Unused terminals:** these terminals are not used in this product; do not connect anything here.

Verifying the installation

After installing and connecting equipment, verify the installation by following the steps below.

1. Make sure the voltage selection switch is in the correct setting.
2. Make sure all wires are properly connected to the correct terminals. Make sure you know which piece of equipment is connected to each relay.
3. Make sure the display cable is properly connected.
4. Place the cover on the control and then tighten each screw a couple turns using your fingers.
5. Switch on the power to your TEB.
    - When the power comes on, the control should beep once and then show the main display.
    - If the main display does not show, go back to step 1.
6. Test the equipment to confirm what is connected to each relay using manual override. For more information, read **Manual override** on page 14.
7. Tighten the four cover screws.

Do not over tighten the screws. Avoid using power screwdrivers or drills.

Programming the Timed Event Box

Programming the Timed Event Box means entering in the information it will need to control equipment according to your specifications. Below is the recommended order of programming your control.

1. **Operating frequency** (only if using 50 Hz) on page 11
2. **Control time** on page 11
3. **Modes** on page 12
4. **Events** on page 12

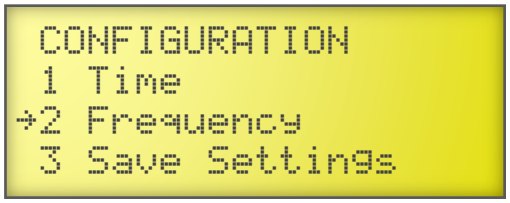
You can use a TEB Saver to program controls in seconds. For more information, read **TEB Saver** on page 17.

Operating frequency

In North America, utility companies supply power at 60 Hz. In some areas of the world, power is supplied at 50 Hz. The control is set to 60 Hz at the factory.

To change the operating frequency

1. At the Configuration menu, scroll to Frequency and then press **Select**.
   The display shows the current configuration.
2. Press **Select**.
3. Press **Up** or **Down** to switch between 50 and 60 Hz, and then press **Select**.
   The change is saved.
4. Press **Back** until you reach the menu or display you want.

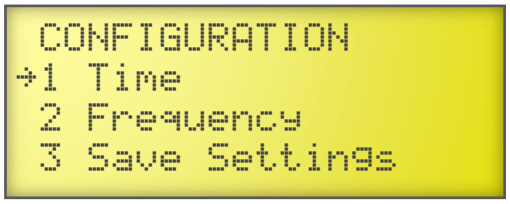


Control time

Because the Timed Event Box switches relays on or off at specific times, it is important that the control time be correct. The Timed Event Box uses **24-hour time**.

To change the control time

1. At the Configuration menu, press **Down** until Time is highlighted, and then press **Select**.
   The display shows the current time.
2. Press **Select**.
   The hours flashes.
3. Press **Up** or **Down** to adjust the hour, and then press **Select**. Repeat for the minutes.
4. Press **Back** until you reach the menu or display you want.



Modes

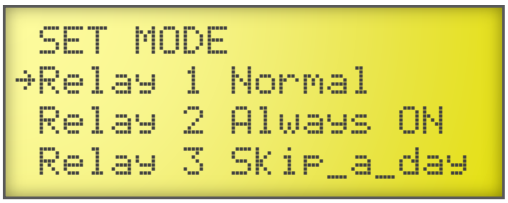
Relay modes are **how** each relay operates. There are four relay modes:

- **Normal**: relay is active every day
- **Skip-a-day**: relay is activeevery second day
- **Always on**: relay is always on
- **Always off**: relay is always off

If you choose skip-a-day, the current day is the active day, the following day is the inactive day.

To configure relay modes

1. At the Main menu, scroll to `Modes` and then press **Select**.
2. Press **Up** or **Down** to choose a relay you want to configure, and then press **Select**.
3. Press **Up** or **Down** to choose the relay mode you want, and then press **Select**.
4. Repeat steps 2 and 3 for each relay.
5. When finished, press **Back** until you reach the menu or display you want.

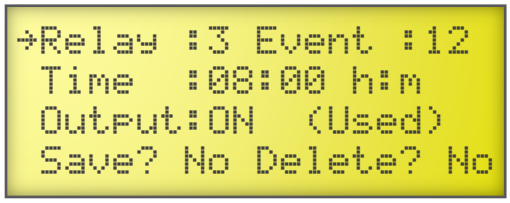


Events

A relay event is a time of day that a relay switches ON or OFF. Each relay has its own set of events and can have up to 75 per day. The events menu shows one event at a time. The example below shows that relay 3, event 12 switches the relay ON at 08:00.

To view events

1. At the Main menu, scroll to `View Events` and then press **Select**.
   - To view events for a different relay, move the cursor to the first line and then press **Select** until the relay number flashes. Press **Up** or **Down** to choose the relay to display.
   - To view different event numbers for the relay, move the cursor to the first line and then press **Select** until the event number flashes. Press **Up** or **Down** to scroll through the events.
2. When finished, press **Back** until you reach the menu or display you want.



To add or edit events

1. View the event you want to program, as explained in **To view events**.

Time

2. Scroll to `Time` and then press **Select**.
3. Press **Up** or **Down** to adjust the hour, and then press **Select**. Repeat for the minutes.

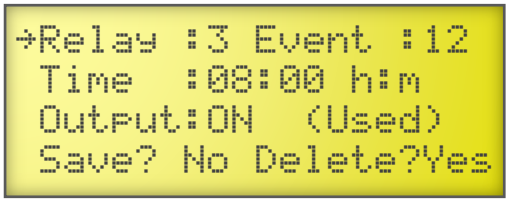
Output/relay state

4. Scroll to `Output` and then press **Select**.
5. Press **Up** or **Down** to switch between `ON` and `OFF` and then press **Select**.
6. Scroll to `Save` and then press **Select**.
   The event is saved.

The Timed Event Box organizes events automatically by time. If you program an event for a relay that is earlier than one you have already programmed, the Timed Event Box inserts it at the correct time and then re-numbers the events.

To delete an event

1. View the event you want to delete, as explained in **To view events**.
2. Scroll to `Save` and then press **Select** until the `No` beside `Delete?` flashes.
3. Press **Up** or **Down** to change the `No` to `Yes`, and then press **Select**.
   The event is deleted.



Using and maintaining the Timed Event Box

After programming the Timed Event Box, it will operate according to your specifications. However, there might be times when you need to service or maintain equipment, perform other tasks. Below is a list of these tasks you can perform.

- Manual override on page 14
- Saving and restoring settings on page 15
- Factory defaults on page 14
- Updating the firmware on page 16

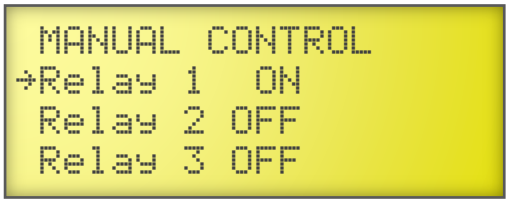
Manual override

Manual override is for testing the installation and equipment connected to the relays. Manual override allows you to switch individual relays on or off. While in the manual override menu, all relays remain in the displayed state until you exit.

- ◇ When the control is in manual override, it does not operate the relays according to the time of day.
- ◇ The control does not exit manual override automatically. To exit manual override, you must return to the Main menu.

To use manual override

1. At the Main menu, scroll to Manual Override and then press **Select**.
2. Press **Up** or **Down** to choose a relay you want to override, and then press **Select**.
3. Press **Up** or **Down** to change the state of the relay, and then press **Select**.
4. Repeat steps 2 and 3 for each relay you want to override.
5. When finished, press **Back** until you reach the menu or display you want.



Factory defaults

When the Timed Event Box leaves the factory, it comes with default settings and configuration. Restoring the factory defaults erases all configuration and settings you programmed and restores them to what they were when the control left the factory.

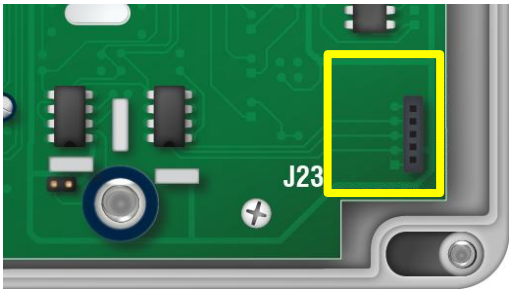
To restore the factory defaults

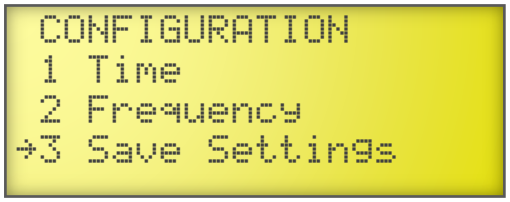
1. At the Configuration menu, scroll to Factory Defaults and then press **Select**.
2. Press **Select**.
3. Press **Up** or **Down** to change the No to Yes, and then press **Select**.
   The control restores the factory defaults.
4. Press **Back** until you reach the menu or display you want.

Saving and restoring settings

The TEB Saver is an innovative and easy-to-use product that allows you to store all your TEB configuration and settings. You can restore them at any time, or use the TEB Saver to set up new controls in seconds. For more information about the TEB Saver, read **TEB Saver** on page 17.

To save settings





1. Loosen the four screws in the enclosure and then gently remove the cover. Make sure not to disconnect the ribbon cable.
2. Plug the TEB Saver onto the connector labeled **J23** on the inside bottom-right of the cover.
3. At the Configuration menu, scroll to `Save Settings` and then press **Select** two times.
4. Press **Up** or **Down** to change the `No` to `Yes`, and then press **Select**.
   The control saves the changes to the TEB Saver.
5. After the process completes, press **Back** until you reach the menu or display you want.
6. Remove the TEB Saver.
7. Replace the cover and then tighten the four screws.

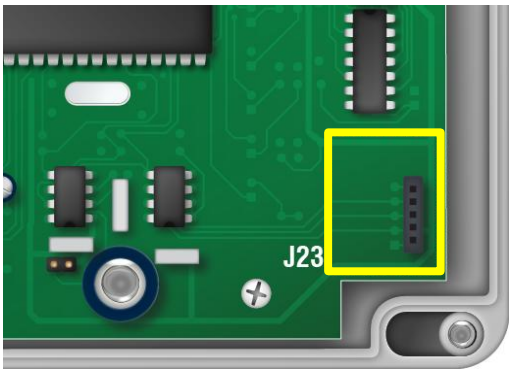
To restore settings

1. Loosen the four screws in the enclosure and then gently remove the cover. Make sure not to disconnect the ribbon cable.
2. Plug the TEB Saver onto the connector labeled **J23** on the inside bottom-right of the cover.
3. At the Configuration menu, scroll to `Restore Settings` and then press **Select** two times.
4. Press **Up** or **Down** to change the `No` to `Yes`, and then press **Select**.
   The control restores the settings from the TEB Saver.
5. After the process completes, press **Back** until you reach the menu or display you want.
6. Remove the TEB Saver.
7. Replace the cover and then tighten the four screws.

Updating the firmware

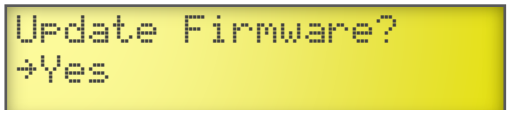
Phason constantly improves and adds new features to their products. With the **TEB Updater**, you can upgrade the firmware in your Timed Event Box as features become available. The Updater takes only seconds to use and can upgrade all the Timed Event Boxes at your site.

For more information about the TEB Updater, read **TEB Updater** on page 17.



To update the firmware

1. Loosen the four screws in the enclosure and then gently remove the cover. Make sure not to disconnect the ribbon cable.
2. Plug the TEB Updater onto the connector labeled **J23** on the inside bottom-right of the cover.
3. At the Configuration menu, scroll to `Update Firmware` and then press **Select**.
4. Press **Select**.
5. Press **Up** or **Down** to change the `No` to `Yes`, and then press **Select**.
   The control updates the firmware and then restarts.



Additional information

Replacement kits

If the display or bottom circuit board of your Timed Event Box fails, you can replace it with a kit.

- **Control kit (model K290001)**
- **Display kit (model KTEB-DISPLAY)**
  After installing the display kit, you will need to reprogram the control.

Optional accessories

TEB Saver

The **TEB Saver** is an innovative and easy-to-use product that allows you to store all your TEB configuration and settings. You can restore them at any time, or use the TEB Saver to set up new controls in seconds.

Features

- Quick and easy to use
- Portable, reliable, and safe storage of configuration and settings
- Transferable to any Timed Event Box that has the same firmware version
- Compact design that fits in a pocket
- Limited warranty (90 days)

TEB Updater

Phason constantly improves and adds new features to their products. With the **TEB Updater**, you can upgrade the firmware in your Timed Event Box as features become available. The Updater takes only seconds to use and can upgrade all the Timed Event Boxes at your site.

Features

- Quick and easy to use
- Compact design that fits in a pocket
- Limited warranty (90 days)

Power contactors

Phason's 240-volt power contactors are heavy-duty relays that increase the load handling capability of control relays. Power contactors are ideal for secondary ventilation fans and electric heaters.

- **Power contactor relay** (model PC-240): includes power contactor relay and mounting hardware for easy mounting in an enclosure.
- **Power contactor kit** (model 122-1): includes power contactor relay, on-off-auto switch and label, snubber filter (reduces electrical noise), and mounting hardware for easy mounting in an enclosure.
- **Power contactor unit** (model 129-0): includes two power contactor relays, two on-off-auto switches, and two snubber filters, mounted in a large enclosure. The enclosure has room for two additional contactor relays or kits.

Troubleshooting

The following table lists some problems, possible causes, and possible solutions. If you are having a problem using your Timed Event Box, see if the problem is described in the table and then follow the directions for correcting the problem.

Problem	Possible cause	Possible solution
Power supply components blown out Burn marks on boards and components Equipment slows down or stops	Power surge, brownout, or power outage	○ Avoid the problem in future by providing proper voltage and protection for the control.
No power and/or display	A circuit breaker at service panel is off or tripped.	○ Reset the circuit breaker.
	Incorrect incoming power wiring	○ Correct the wiring.
	The display board connect cable is not plugged into the control board properly.	○ Plug in the display board cable. For more information, read **Connecting power and equipment** on page 9.
	The 115/230 VAC switch is in the wrong position	○ Switch off the power, set the switch to the correct setting, and then switch on the power. For more information, read **Connecting power and equipment** on page 9.

Relay worksheets

Use the following worksheets when programming the mode and events for the relays. For more information about programming relays, read **Modes** on page 12 and **Events** on page 12.

Relay #	Equipment	Mode	Events (24-hour time - hh:mm)											
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
2	----	:	OFF	**21**	----	:	OFF	**40**	----	:	OFF	**59**	----	:	OFF
3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
19	ON	:	----	**38**	ON	:	----	**57**	ON	:	----				

Relay #	Equipment	Mode	Events (24-hour time - hh:mm)											
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
2	----	:	OFF	**21**	----	:	OFF	**40**	----	:	OFF	**59**	----	:	OFF
3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
19	ON	:	----	**38**	ON	:	----	**57**	ON	:	----				

Relay #	Equipment								Mode							
Events (24-hour time - hh:mm)																
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
2	----	:	OFF	**21**	----	:	OFF	**40**	----	:	OFF	**59**	----	:	OFF
3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
19	ON	:	----	**38**	ON	:	----	**57**	ON	:	----				

Relay #	Equipment								Mode							
Events (24-hour time - hh:mm)																
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
2	----	:	OFF	**21**	----	:	OFF	**40**	----	:	OFF	**59**	----	:	OFF
3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
19	ON	:	----	**38**	ON	:	----	**57**	ON	:	----				

Relay #			Equipment						Mode					
Events (24-hour time - hh:mm)														
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
2	----	:	OFF	**21**	----	:	OFF	**40**	----	:	OFF	**59**	----	:	OFF
3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
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Relay #			Equipment						Mode					
Events (24-hour time - hh:mm)														
1	ON	:	----	**20**	ON	:	----	**39**	ON	:	----	**58**	ON	:	----
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3	ON	:	----	**22**	ON	:	----	**41**	ON	:	----	**60**	ON	:	----
4	----	:	OFF	**23**	----	:	OFF	**42**	----	:	OFF	**61**	----	:	OFF
5	ON	:	----	**24**	ON	:	----	**43**	ON	:	----	**62**	ON	:	----
6	----	:	OFF	**25**	----	:	OFF	**44**	----	:	OFF	**63**	----	:	OFF
7	ON	:	----	**26**	ON	:	----	**45**	ON	:	----	**64**	ON	:	----
8	----	:	OFF	**27**	----	:	OFF	**46**	----	:	OFF	**65**	----	:	OFF
9	ON	:	----	**28**	ON	:	----	**47**	ON	:	----	**66**	ON	:	----
10	----	:	OFF	**29**	----	:	OFF	**48**	----	:	OFF	**67**	----	:	OFF
11	ON	:	----	**30**	ON	:	----	**49**	ON	:	----	**68**	ON	:	----
12	----	:	OFF	**31**	----	:	OFF	**50**	----	:	OFF	**69**	----	:	OFF
13	ON	:	----	**32**	ON	:	----	**51**	ON	:	----	**70**	ON	:	----
14	----	:	OFF	**33**	----	:	OFF	**52**	----	:	OFF	**71**	----	:	OFF
15	ON	:	----	**34**	ON	:	----	**53**	ON	:	----	**72**	ON	:	----
16	----	:	OFF	**35**	----	:	OFF	**54**	----	:	OFF	**73**	----	:	OFF
17	ON	:	----	**36**	ON	:	----	**55**	ON	:	----	**74**	ON	:	----
18	----	:	OFF	**37**	----	:	OFF	**56**	----	:	OFF	**75**	----	:	OFF
19	ON	:	----	**38**	ON	:	----	**57**	ON	:	----				

Limited warranty

This warranty applies only to the Phason Timed Event Box (TEB-6). If you need warranty service, return the product and original proof of purchase to your dealer.

Phason Inc. (Phason) warrants the TEB-6 subject to the following terms and conditions.

This warranty is valid only to the original purchaser of the product, for two years from the manufacturing date. The manufacturing date is stated in the first eight digits of the serial number in the form year-month-day.

Phason hereby warrants that should the TEB-6 fail because of improper workmanship, Phason will repair the unit, effecting all necessary parts replacements without charge for either parts or labor.

Conditions

- Installation must be done according to our enclosed installation instructions.
- The product must not have been previously altered, modified, or repaired by anyone other than Phason.
- The product must not have been involved in an accident, misused, abused, or operated or installed contrary to the instructions in our user and/or installation manuals. Phason's opinion about these items is final.
- The person requesting warranty service must be the original purchaser of the unit, and provide proof of purchase upon request.
- All transportation charges for products submitted for warranty must be paid by the purchaser.

Except to the extent prohibited by applicable law, no other warranties, whether expressed or implied, including warranties of merchantability and fitness for a particular purpose, shall apply to the TEB. Any implied warranties are excluded.

Phason is not liable for consequential damages caused by the TEB-6.

Phason does not assume or authorize any representatives, or other people, to assume any obligations or liabilities, other than those specifically stated in this warranty.

Phason reserves the right to improve or alter the TEB-6 without notice.

Service and technical support

Phason will be happy to answer all technical questions that will help you use your Timed Event Box. Before contacting Phason, check the following:

- Read this manual for information about the feature with which you are having trouble.
- If you are having a problem using your Timed Event Box, read **Troubleshooting** on page 18 and then follow the directions for correcting the problem.
- If you still have a problem with your TEB, collect the following information:
  - The serial number
  - Any messages displayed by your TEB
  - A description of the problem
  - A description of what you were doing before the problem occurred

- ◇ Phason controls are designed and manufactured to provide reliable performance, but they are not guaranteed to be 100 percent free of defects. Even reliable products can experience occasional failures and the user should recognize this possibility.
- ◇ If Phason products are used in a life-support ventilation system where failure could result in loss or injury, the user should provide adequate back up ventilation, supplementary natural ventilation, or an independent failure-alarm system. The user's lack of such precautions acknowledges their willingness to accept the risk of such loss or injury.