



# Electronic Price Change Unit 3.0

## User Instructions

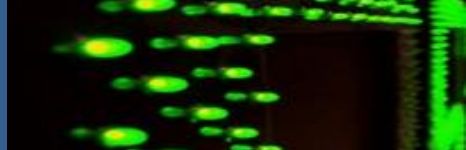
Revision 1A



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## Section 1: Economy Remote User Menu

### User Menu Summary

The following tasks can be accomplished from the USER menu:

- Update prices
- Set the clock on the sign
- Set a timer that can turn the sign off at night and back on in the morning
- Set a timer that controls the sign brightness level during the day and night
- Set the day-time brightness level
- Set the night-time brightness level
- Temporarily override the timers
- Blank out product if desired

### Enter User Menu (USER)

When the sign is displaying prices or blanked out:

- Type the 4 digit user code to enter USER menu
- The User Code is unique for each site and is written on Econo Remote sticker

### Exit User Menu

When sign is displaying USER:

- press **OK** **OK** to exit to price display or wait for the USER mode timeout.

### Set Price

- Enter USER Menu
- Press **↑** then **1** to enter the Set Price sub menu
  - All products except one are shut off
- The selected digit will flash
- Update the price by pressing buttons **0** - **9** on the remote
  - When a number (0 - 9) is pressed, the next digit is selected
  - After the last digit in the price is updated, the first is selected again
- Press **OK** to save current price and move on to the next price
  - After the last price has been updated and saved, the sign returns to the USER menu

### Enable / Disable Products

Products (ex. Unleaded, Premium, Diesel) can be enabled (operate normally) and disabled (blank)

- Enter USER Menu
- Press **↑** then **2** to enter the Enable / Disable Products sub menu
  - All products will display YES (product is enabled) or NO (product is disabled)
- The selected product will flash
- Press **0** to change between YES and NO if desired
- Press **OK** to save this setting and move to next product
  - After the last product has been saved, the sign returns to USER menu

## Section 1: Economy Remote User Menu

### Set Clock

Sets the signs internal clock which is used for the timers.

- Enter *USER* Menu
- Press **↑** then **4** to enter the Set Clock sub menu
  - Sign displays *⌂*, then the current time in 24 hour format HHMM

<b>12 Hour</b>	<b>24 Hour</b>	<b>12 Hour</b>	<b>24 Hour</b>
12:00 AM	00:00	12:00 PM	12:00
1:00 AM	01:00	1:00 PM	13:00
2:00 AM	02:00	2:00 PM	14:00
3:00 AM	03:00	3:00 PM	15:00
4:00 AM	04:00	4:00 PM	16:00
5:00 AM	05:00	5:00 PM	17:00
6:00 AM	06:00	6:00 PM	18:00
7:00 AM	07:00	7:00 PM	19:00
8:00 AM	08:00	8:00 PM	20:00
9:00 AM	09:00	9:00 PM	21:00
10:00 AM	10:00	10:00 PM	22:00
11:00 AM	11:00	11:00 PM	23:00

- The selected digit will flash
- Update the time by pressing buttons **0** - **9** on the remote
  - When a number (0 - 9) is pressed, the next digit is selected
  - After the last digit in the price is updated, the first is selected again
- Press **OK** to save time and move on to date
  - Sign displays *⌂*, then the date can be entered with the format MMDD
  - ex. Feb. 24 would be entered as 0224 (only valid dates are accepted)
- Press **OK** to save date and move on to year
  - Sign displays *⌂*, then the year can be entered with the format YY starting at 2000
  - The max year that can be entered is 2099
- Press **OK** to save year and return to the *USER* menu

## Section 1: Economy Remote User Menu

### Sign On / Off Timer

Used to turn the sign off at night and on in the morning. To keep the sign on 24 hours a day set both the *on* and *OFF* times to 0.

- Enter *USER* Menu
- Press **↑** then **5** to enter the Sign On / Off Timer sub menu
  - Sign displays *on* for a short period, then the time when the sign will turn on in 24 hour format HHMM
- The selected digit will flash
- Update the time by pressing buttons **0** - **9** on the remote
  - When a number (0 - 9) is pressed, the next digit is selected
  - After the last digit in the time is updated, the first is selected again
- Press **OK** to save the time
  - Sign displays *OFF* for a short period, then the time when the sign will turn off in 24 hour format HHMM
- Press **OK** to save the time and return to the *USER* menu

### Sign Bright Timer

Controls when the sign changes between day and night light levels. If the sign should not change light levels, set both *brH* and *brL* to 0, and use Night Light Level to control the sign's brightness.

- Enter *USER* Menu
- Press **↑** then **6** to enter the Sign Bright Timer sub menu
  - Sign displays *brH* for a short period, then the time when the sign switches from Night Light Level to Day Light Level in 24 hour format HHMM
- The selected digit will flash
- Update the time by pressing buttons **0** - **9** on the remote
  - When a number (0 - 9) is pressed, the next digit is selected
  - After the last digit in the time is updated, the first is selected again
- Press **OK** to save the time
  - Sign displays *brL* for a short period, then the time when the sign switches from Day Light Level to Night Light Level in 24 hour format HHMM
- Press **OK** to save the time and return to the *USER* menu

## Section 1: Economy Remote User Menu

### Manual Light Level

Used to override the current light level set by the timers and turns the sign lights on and off. These changes do not take effect until sign exits the *USER* menu and is displaying prices

- Enter *USER* Menu
- Press **↑** then **7** to enter the Manual Light Level sub menu
- Press **0** to change between *AUTO*, *DAY*, *NITE*, and *OFF*
  - *AUTO* - Sets light level according to the timers
  - *DAY* - Sets light level to day and turns the sign lights off
  - *NITE* - Sets light level to night and turns the sign lights on
  - *OFF* - Blanks out sign and turns sign lights off (Sign is not powered off, typing user code will still take the sign to the *USER* menu)
- Press **OK** to save the Manual Light Level and return to *USER* menu
  - Manual Light Levels do not take effect until the sign returns to displaying prices

### Day Light Level

Day Light Level is the sign brightness when the sign is in day mode.

- Enter *USER* Menu
- Press **↑** then **8** to enter the Day Light Level sub menu
- The selected digit will flash
- Update the light level by pressing buttons **0** - **9** on the remote
  - Valid light levels are between 00 - 99
  - When a number (0 - 9) is pressed the next digit is selected
  - After the last digit in the light level is updated, the first is selected again
- Press **OK** to save light level and return to *USER* menu

### Night Light Level

Night Light Level is the sign brightness when the sign is in night mode.

- Enter *USER* Menu
- Press **↑** then **9** to enter the Night Light Level sub menu
- The selected digit will flash
- Update the light level by pressing buttons **0** - **9** on the remote
  - Valid light levels are between 00 - 99
  - When a number (0 - 9) is pressed the next digit is selected
  - After the last digit in the light level is updated, the first is selected again
- Press **OK** to save light level and return to *USER* me

## Section 2: Economy Remote Summary

### User Menu

Type User Code to Enter  
User Menu

User Code \_ \_ \_ \_

- OK Save & Advance
- OK OK Exit User Menu
- ↑ 1 Set Price(s)  
Type New Price
- ↑ 2 Enable/Disable  
Products
- ↑ 4 Set Clock (24hour)  
time: *Et* HHmm  
date: *Ed* MMdd  
year: *EY* YY
- ↑ 5 Sign On/Off Timer  
*on* HHmm *OFF* HHmm
- ↑ 6 Sign Bright Timer  
Day: *brH* HHmm  
Night: *brLo* HHmm
- ↑ 7 Manual Light Level
- ↑ 8 Day Light Level  
Range:00 - 99
- ↑ 9 Night Light Level  
Range:00 - 99

## Section 3: Terminal Operation

### 3.1 Startup



The startup screen is displayed when the terminal is powered. It indicates how many signs the terminal is connected to and the terminal software version.

**Note1:** The terminal radio must be connected before powering on the terminal.

**Note2:** If terminal cannot connect to all of the signs previously bound, the terminal will not advance past this screen automatically. It can be manually advanced by pressing the price button.

### 3.2 Changing Prices



Pressing the *price* key will cycle between products or take the terminal back to the product display menu if another menu is active.

To edit a product, make sure the flashing cursor is highlighting the price. If the product name is highlighted, press the *down* arrow, then enter the new price and press the *valid* key. The current product can also be changed by pressing the *up* arrow to select the product name, then use the *right* and *left* arrows to move between available products.



### 3.3 Configuration



Pressing the *config* key will enter the configuration menu if another menu is active. Pressing the *config* key while in the configuration menu will cycle between configuration screens. There are three screens in the configuration menu: Clock, Timers, and Brightness.

To update the time, use the *down* arrow to move the flashing cursor from the screen name to the time. Enter the correct time using # to toggle AM and PM. When complete, press *valid* to save the new time.

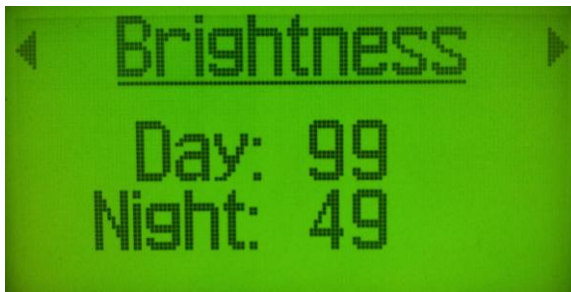
## Section 3: Terminal Operation

### 3.3 Configuration Continued



To update the timers, use the *down* arrow to move the flashing cursor from the screen name to the timers. Enter the correct time and use # to toggle AM and PM. When complete, press *valid* to save the new time.

**Note:** If the store is open 24 hours set store open and store close to 00:00 to keep the sign always on.



To update the brightness, use the *down* arrow to move the flashing cursor from the screen name to the brightness levels. Enter the new brightness levels and press *valid* to save.



There are four light level control options: Auto, Day Light, Night Light, and Off. These can be accessed by pressing the *light* button. The *light* button or the *right* and *left* arrows can be used to navigate between the modes.

**Note:** Auto is the only mode that uses the timers. If any other mode is selected, the sign will stay at the corresponding brightness level or off until the mode is changed.

