

## APPENDIX C

### PROGRAMMING THE VARIABLE RATE OVER TIME COUNTER DISPLAYS

#### Standard Keypad Instructions (See figures 1 and 2)

- I. Presetting the Counter
- II. Setting the Time Period
- III. Setting the Increment Value
- IV. Hold/Run
- V. Reset

These instructions explain how to set these values with the keypad. Examples are given in each section to demonstrate the function.

#### I. Presetting the Counter

Presetting the counter sets the value that the display will start counting from. Each counter has a two digit address represented below by “XX”. The addresses are set at the factory. Standalone counters and the first line of multiple-lined displays will have an address of “01”. The second line’s address will be “02”.

Use the format below to preset the counter.

- A = the “A” key on the keypad.
  - XX = the 2 digit address of counter.
  - B = the “B” key on the keypad.
  - C = the “C” key on the keypad
- “A” “XX” “Preset Value” “C”

Example 1: To preset the sign (address 01) to 150, press:

**A 01 150 C**

Example 2: To preset the sign (address 02) to 123456, press:

**A 02 123456 C**

## II. Setting the Time Period

Setting the time period determines how often the display will increment.

Use the format below to enter the time period into the sign's keypad. (Refer to section III to set the value to increment by)

A = the "A" key on the keypad.

XX = the 2 digit address of counter. (See section I for details on addressing)

HHMMSSTH = (hours, minutes, seconds, tenths and hundredths of a second)

B = the "B" key on the keypad.

**"A" "XX" "HHMMSSTH" "D" "#" "\*" "D"**

Example 1: To set the sign (address 01) to increment every 24 hours, press:

**A 01 24 00 00 00 D # \* D**

Example 2: To set the sign (address 02) to increment every 12 hours, 24 minutes, 30 seconds and 25 hundredths press:

**A 02 12 24 30 25 D # \* D**

## III. Setting the Increment Value

Setting the increment value determines how much the counter will increase after each elapsed time period. Use the format below to enter the increment value into the sign's keypad.

A = the “A” key on the keypad.  
XX = the 2 digit address of counter. (See section I for details on addressing)  
YY = the number of digits on the display.  
Z = the number to increment the sign by.  
B = the “B” key on the keypad.

**“A” “XX” “YY” “Z” “B”**

Example 1: To set the sign (address 01), (4 digits), to count by 1, press:

**A 01 04 1 B**

Example 1: To set the sign (address 01), (4 digits), to count by 10, press:

**A 01 04 10 B**

Example, to set the sign (address 02), (6 digits), to count by 5, press:

**A 02 06 5 B**

#### **IV. Hold/Run**

The command below will pause the internal timer and hold the value on the counter the first time it is entered. When the command is entered again, the internal timer will continue to run and the display will continue to count. Enter the command below to pause/run the display.

A = the “A” key on the keypad.  
XX = the 2 digit address of counter. (See section I for details on addressing)  
\* = the “\*” key on the keypad.  
B = the “B” key on the keypad.

**“A” “XX” “\*” “B”**

Example: to hold the counting (address 01), press:

**A 01 \* D**

Example: to run the rate counter (address 01), press:

**A 01 \* D**

## V. Reset

The reset command will set the count on the display to “0”. To reset the counter with the keypad, use the command below.

A = the “A” key on the keypad.

XX = the 2 digit address of counter. (See section I for details on addressing)

# = the “#” key on the keypad.

D = the “B” key on the keypad.

**“A” “XX” “#” “D”**

Example, reset the sign(address 01) to 0, press:

**A 01 # D**

**NOTE- The displays are preset at EDI to increment by one every second.**



Figure 1

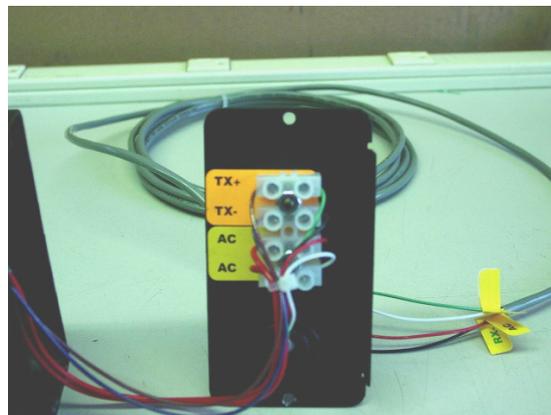


Figure 2