

526 Series

Electronic Totalizer (2 ranges)

Type series 526

1. Description

- 6digit resetable totalizer, 2 ranges.
- LED-Display with 8 mm high characters and very high luminosity
- Display range 0..999999 with leading zero blanking.
- Programming of count functions and operating parameters via the setting keys. During programming the display guides the user with text prompts.
- Supply voltage 10..30 VDC
- Programmable features:
 - Input polarity (npn or pnp)
 - Max. count frequency (30 Hz or 10 kHz)
 - Scaling factor (both totalizers in common)
 - Decimal point (both totalizers in common)
 - Reset mode (totalizer1 apart from totalizer 2):
 - electrical
 - manual
 - manual and electrical
 - no reset

2. Inputs

INP

Dynamic count input. Max. count frequency 30 Hz or 10 kHz programmable via set up

RESET

One dynamic reset input and red reset key. Programmable separately for each totalizer.

3. Setting of the parameters

3.1 Selecting the displayed value

By pressing the right key, it can be chosen whether the current value of totalizer 1 or totalizer 2 is displayed.

Pressing the right key once the current function („total1“ or „total2“) is displayed for 2 seconds. If within this period the right key is pressed again, the current function is changed. The display shows the new current function for a short time.

3.2 Setting the operating parameters

- Hold down both keys on front panel and switch on supply voltage.
- The display shows

Prog

- After releasing the keys the display alternates between menu title and corresponding menu item at a frequency of 0.5 Hz. After any key is pressed, only the menu item is displayed.
- Pressing the right key, the menu item will be switched to next value.
- Hold down the left key and press the right key to enter and switch to the next menu title.
- After programming the last menu item, the

programming routine will be left and the new values will be stored by switching the menu item to „YES“. If you chose „NO“, the programming routine will be passed through once again.

4. Programming routine

Programmable parameters are shown in succession. After one pass, the device is fully programmed. In each case the first shown item is the factory preset.

4.1 Input polarity (All units)

inPol

npn

nnp: switching to 0 V

pnp

pnp: switching to +V (4-30)

4.2 Activating the 30 Hz filter (Both units)

Filter

hi

max. count frequency 10 kHz

Lo

max. count frequency 30 Hz

4.3 Scaling factor (Both units) (Multiplier)

Factor

000001

Factor can be set from 00.0001 up to 99.9999. The decimal point is fixed. "0" won't be accepted!

999999

4.4 Decimal point (Both units) (Display only)

dP. tot

The decimal point indicates the number of decimal places.

0

0 no decimal place

0.0 one decimal place

0.00 two decimal places

0.000 three decimal places

0.000



4.5 Reset mode totalizer 1

r E S n r i

r r R n E L

manual reset (red key)
and electrical reset

n o r E S

no reset
(red key and reset input
locked)

E L r E S

electrical reset only

r r R n r E

manual reset only

4.6 Reset mode totalizer 2

r E S n r i

r r R n E L

manual reset (red key)
and electrical reset

n o r E S

no reset
(red key and reset input
locked)

E L r E S

electrical reset only

r r R n r E

manual reset only

4.7 End of programming

E n d P r o

n o

Programming routine will
be passed through once
again. All parameters can
be checked.

y E S

Programming routine will
be left and the new
parameters will be stored.
Afterwards the device is
ready to use.

5. Connections

- 1 10-30 VDC
- 2 0 V (GND)
- 3 INP (Both counters)
- 4 ---
- 5 RESET

| | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

6. Technical data

Supply voltage:

10...30 VDC

Max. current consumption:

50 mA

Display:

6digit LED-Display, 8 mm high characters

Polarity of input signals:

programmable for both common inputs (npn or pnp)

Input resistance:

appr. 10 kohm

Count frequency:

10 kHz can be damped to 30 Hz

Min. pulse length of the control inputs:

5 ms

Input sensitivity:

Low: 0 to 1 VDC

High: 4 to 30 VDC

Pulse shape:

variable (Schmitt Trigger characteristic)

Data retention:

via EEPROM 1x10⁶ memory cycles or 10 years

Noise immunity:

EN 50081-2; EN 55011 class B; EN 50082-2

Ambient temperature:

+14°F...+122°F (-10 °C...+50 °C)

Storage temperature:

-13°F...+158°F (-25 °C...+70 °C)

Weight:

appr. 1.76 oz.(50 g)

Protection:

IP 65 (front)

Cleaning:

The front of the unit is only to be cleaned with a soft wet

(water !) cloth.

7. Dimensions:

W = 1.88" (48mm) H = .944" (24mm) D = 2.32" (59mm)

8. Cutout:

W = 1.78" (45.2mm) H = .876" (22.3mm)

With adaptor: W = 1.97" (50mm) H = 0.99" (25mm)