

# Programmable Counters



In Industry counters are used for measuring objects or lengths such as production counting of say bottles or length of yarn or paper etc. Ajinkya has wide range of Electronic counters, also known as Digital Counters or Microprocessor based counters to take care of industrial requirements.

## FEATURES

- Display: 4 / 6 digit Single / Dual
- Settings: Membrane Keyboard
- Count Mode: Up / Down
- Input: Proximity / Potential free Contacts Optical Encoder / Quadrature
- Output: Upto 3 Relays. More relays possible.
- Battery Backup: Optional
- Prescaling: Optional. Multiplying / dividing constant programmable 0.000001 to 999999
- Reset: External Manual / Auto / Programmable time
- Other Options: External Start / Stop / RS232 / Modbus Connectivity

## TYPES OF COUNTERS

### • Preset Counters

Counters have a programmable set point, which when number of count reaches to, a relay is operated. This is can be used to alert the operator or automate the production sequence by switching motor / conveyor on / off etc.

### ♦ Length Counters Or Multiplying counters Or Pre scaling Counters

These are used for measuring revolving / rotating objects such as winding applications to measure length of wire / length of paper / length of yarn etc. The scaling factor is user programmable to get the length in required units directly.

### ♦ Batch Counters

In industry many times a batch contains a certain number of objects. Batch counters will automatically generate a relay output when a preset number of count has reached and number of such batches are also counted and stored in counter memory.

### ♦ Counter with totaliser / Ratemeter

Additional feature to batch counters to give total production done so far. Also a feature to know the rate of production at any given instance of time.



## Ajinkya Electronic Systems

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♦ **Production counters**

These counters are enhanced version of batch counters as they keep track of shift wise data as well.

♦ **Sequential Counters**

There can be multiple number of set points which are effective in a particular order. Relay output is generated after each preset value is reached.

♦ **Up Down counters**

In case the movement of an object is bidirectional or if there are rejection in the material produced, up / down bidirectional counters can be used. Quadrature encoder compatible counters can be used to measure the angular movements or revolving bidirectional movements.

♦ **Vending Machine Counter**

A special application for drink vending machines which are installed by Indian Railways to count the number of cups of a drink dispensed as well as to control the amount of drink dispensed. Ajinkya supplies Coca Cola and Pepsi Cola dispensing counters which counts the number of cups dispense for multiple flavours and also controls the amount of drink is to be filled in the glass.

♦ **People Counter**

Ajinkya Electronic Systems offers People Counter. It is specifically designed for people counting above the doorways of buses and trains; it can also be used to count people as they enter or leave buildings or any area with restricted access, it can be easily mounted above the doorframe, veranda and hall.

**ACCESSORIES FOR COUNTER**

DLOG PC Software for viewing count from multiple counters on PC

PC software for Production Data logging on PC

Jumbo Size displays for showing single as well as multiple count displays in sizes ranging from 1” to 1 ft.



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