

# PROGRAMMABLE COUNT CONTROLLERS

## PULSE FREQUENCY DIVIDER



- Scales pulses from a variety of input sensors
- Accepts NPN or PNP inputs
- Divide ratios from 1 to 4095
- Relay and NPN outputs.
- DIN rail mounting

This unit will accept a train of pulses from a wide variety of electronic sensors such as flow meters, rotary encoders, optical sensors or limit switches and provide a scaled output pulse.

It can be used in diverse applications for pulse rate conversion to give one output pulse for any number of sensor input pulses.

Two outputs are provided, a changeover relay for general switching and a solid state output for connection to a plc or computer control system

## SPECIFICATION

Supply voltage : 110/240Vac +/- 10% 50/60Hz  
24Vac +/- 10% 50/60Hz

Power drain : 6 Watts max

Input : NPN sink. 12V off, <1V @5.5mA on  
PNP source. 0V off, 12V @5.5mA on

Output : Changeover relay 5A @240Vac/30Vdc  
NPN open collector 50mA max on, 30V off

Input pulse : Max input pulse frequency selectable  
150Hz or 5KHz

Output pulse : Selectable pulse or change of state  
Pulse duration adjustable from 0.1 to 5 seconds

Scaling : Adjustable from divide by 1 to 4095

Ambient range : Operating : -20 to 65°C 90%rH (non-condensing)

Storage : -10 to 70°C 90%rH

Mounting : 35mm symmetrical DIN rail

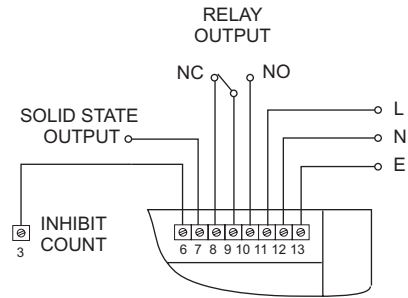
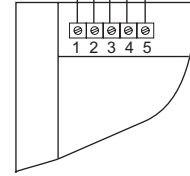
Dimensions : 160 x 90 x 54mm

Protection level : IP20

Weight : 580gms

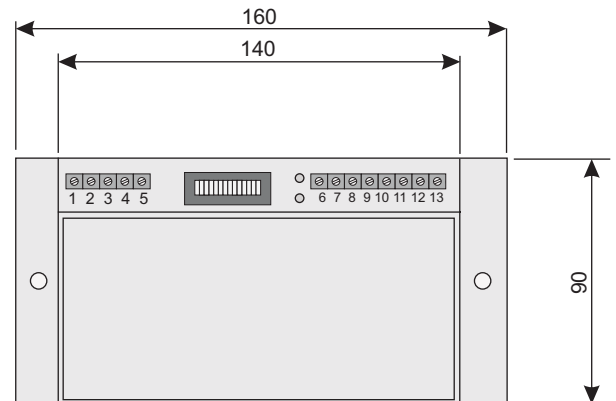
## CONNECTION DIAGRAMS

NPN SENSOR INPUT  
PNP SENSOR INPUT  
0V COMMON  
12V REGULATED SUPPLY  
24V UNREGULATED SUPPLY

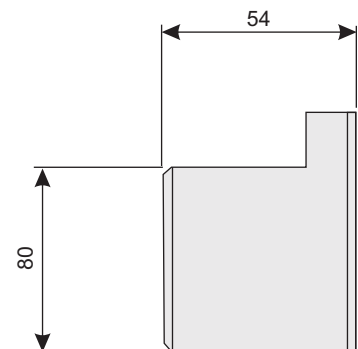


## DIMENSIONS

### FRONT VIEW



### SIDE VIEW



## STANDARD ITEM

Input	Supply Voltage	Part Number
NPN/PNP	110/240Vac	DIV-01-110/240VAC
NPN/PNP	24Vac	DIV-01-24VAC