



**MODEL 858 FREQUENCY TO CURRENT CONVERTORS
(Microprocessor based – Programmable)**



(Din rail)



(Din rail)

Introduction

Pantech's Frequency / Speed convertor, Model 858 is an ideal instrument for generating linear output signals from frequency type of inputs. The instrument is of BLIND type without any display, but allows the instrument to do all configurations from PCB level keys inside the instrument. The user can calibrate the instrument, set ZERO and SPAN for the output signal with the help of these on board keys only. The output mA or V signals can be isolated or non isolated types. The instruments are available in din rail / panel / wall mounting versions. A transmitter power supply of 12/24 V Dc is inbuilt to power up two wire transmitters if any. All models can be operated on 24V DC, 230V AC and 110V AC power supplies. Power supply is isolated from rest of the circuit.

The instrument incorporates low drift operational amplifiers and industrial grade components for long trouble free operation. Burn in of each module ensures long trouble free operation.

Specifications

Input – Any one of the below

- PNP / NPN Proximity (NC type) – 3 wire
- PNP / NPN Proximity (NO type) – 3 wire
- Magnetic pickup – 2/3 wire
- Namur type – 2/3 wire
- UNIVERSAL – with all the above types
- Specials
- ** The user is required to give FREQUENCY value

FEED IN PARAMETERS

Z and S (for retransmission)

Display

None

Analog output

- 1) Isolated / Non Isolated 4 – 20 mA DC
- 2) Isolated / Non Isolated 0-10 V DC
- 3) Other types on factory confirmations

Maximum no. of outputs

2

Analog output load capability

800 maximum with 4-20 mA DC outputs

Output accuracy

+/- 0.1% of span

Display accuracy

+/- 0.1% of span

Transmitter power

12/24 V DC for proximity sensors
Specials

Power supply

- 1) 24 V DC
- 2) 110 V AC, 50 Hz, +/- 10%
- 3) 230 V AC, 50 Hz, +/- 10%
- 4) 90-270 V AC – SMPS
- 5) Specials

Power consumption

4 VA max.

Ambient temperature

0 – 50 C.

Storage temperature

0 – 70 C.

Humidity

90% RH (non-condensing)

Enclosures

Weatherproof, Flameproof and all other standard types

Mounting

Panel / Wall / Field / Dinrail / Eurocard

Dimensions

For DIN RAIL : 70*60*110 mm (h*w*d) as standard
Optimum for other type of mountings

Ordering Information

Please confirm the availability of the model by cross checking the table mentioned on the backside.



PANTECH INSTRUMENTS

Basic Model No. (Specified by first 3 digits)

858 -Programmable freq. Conv.

Speed convertor

Mounting (Specified by letter following 3 digits)

P-Weatherproof - Panel

W-Weatherproof - Wall

F-Flameproof - Wall / field

I-IP65 grade – wall / field

S-Specials

Input (Specified by first digit following the letter)

1-PNP – 3 wire

2-NPN – 3 wire

3-Namur type – 2 wire

4-Magnetic pickup

U-Universal

S-SPECIALS

Power Option (Specified by the second digit)

1-24 V DC

2-110 V AC

3-230 V AC

4-90-270 V AC - SMPS

S-SPECIALS

No. of outputs

1-one

2-two

Analog O/P Option (Specified by the fourth digit)

0-None

1-mA/V DC isolated

2-mA/V DC non-isolated

3-Any other type of output



PANTECH INSTRUMENTS

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