



CI-420 series Electronic Frequency to Analog Converters

The CI-420 series are rail mounting micro-processor based control instruments for frequency to analog conversion. They are fully user programmable and will adapt directly to any TM-44 turbine, COVOL output, or equivalent pulse generating output transducers.

Applications

- Automated process control in any industry with flow rate or volume control for interfacing with PLC and other instruments.
- Interface with PLC inputs.
- Interface with analog indicators or alarms.

Benefits

- Very simple to use, just select frequency for full scale output.
- Direct interface to Turbines, Covol etc.
- Fully programmable by user.
- No batteries needed, BCD switch programming.
- Standard DIN rail mounting.
- Connections with screw terminals for easy installation and maintenance.
- 0-20 mA, 4-20 mA, 0-10 V, 0-5 V, 2-10 V or 1-5 V output options.
- Also available 0-24 mA option.
- Adaptive filter for stable output.
- 12 or 16 bit resolution on analog output.

Technical Data

- Power supply 110, 220, 240, 24 V ac 50-60 Hz
24 V dc
- Power consumption < 1 VA
- Precision 0.2 % Full Scale
- Temperature range -10°C..... 60°C
- Frequency range 0.1.....9999 Hz for full scale
- Cutout frequency 0.04 Hz
- Input signal TM-44 20 mV...3 V ac, 0....2000 Hz
- Input signal COVOL Reed contact, 0.... 100 Hz
- Consult Tecfluid for other inputs





Ordering information

CI-420/ a / b / vvv

a = Output signal

- = A 0 - 20 mA
- = B 4 - 20 mA
- = C 0 - 24 mA
- = D 0 - 5 V dc
- = E 0 - 10 V dc
- = F 1 - 5 V dc
- = G 2 - 10 V dc

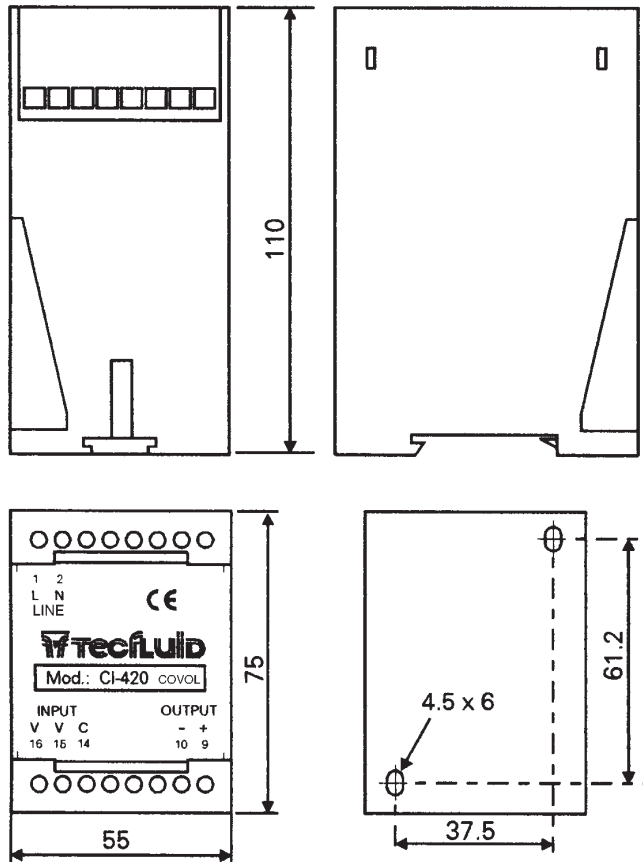
b = Input Type

- = 1 COVOL
- = 2 Turbine Pick-up
- = 3 TTL
- = 4 for 24 volt proximity detectors
- = 5 for 5 volt pulse generators or open collector

vvv = Power supply voltage

- = 110 110 V ac 50-60 Hz
- = 220 220-240 V ac 50-60 Hz
- = 024 24 V ac 50-60 Hz
- = 24d 24 V dc

Dimensions



Tecfluid designs and manufactures measuring instruments for liquids and gases, employing the most advanced technologies.

Flowmeters

- Tapered metering tube in Borosilicate glass
- Tapered metering tube in transparent plastic
- Variable area with metal metering tube and indication by magnetic transmission
- Target disc with indication by magnetic transmission
- Orifice plate with by-pass flowmeter
- Electromagnetic flowmeters
- Vortec

Counters

- COVOL (rotating piston volumetric counter)
- TM-44 (turbine type flowmeter)

Levels

- Limit switches
- Level indicators
- Level transmitters with analog output (4-20 mA etc.)

Electronic Equipment

- APTM44 - Pulse amplifiers
- MC-01 - Programable flow indicators with batching
- MT-02 - Programable counters for batching
- CI420 - Programable frequency to analog output converters (4-20 mA etc.)
- DFD - Programable frequency dividers

We are at your service, please consult us.

TECFLUID develops and manufactures instruments for gases and liquids, using the most advanced techniques.

Request Information by telephone nº (34 3) 372 45 11



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