



DFD series Electronic Frequency Dividers

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

Applications

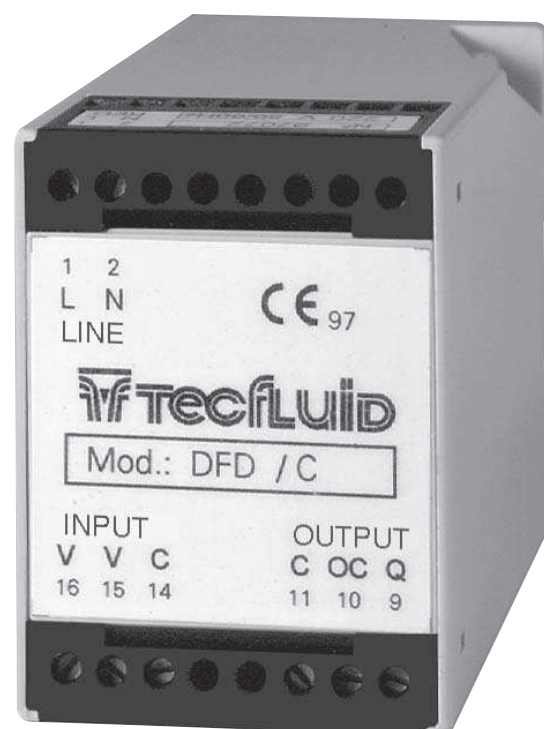
- Automated process control in any industry with batching or volume control for interfacing with PLC.
- Interface with slow scanning PLC inputs.
- Interface with PLC without calculation capacity.
- Interface with simple counters.
- Interface for electromechanical totalizing counters.

Benefits

- Very simple to use.
- Direct interface to Turbines, Covol etc.
- Fully programmable by user.
- Standard DIN rail mounting.
- Connections with screw terminals for easy installation and maintenance.
- No batteries needed, BCD switch programming.

Technical Data

- Power supply 110, 220, 240, 24 V ac 50-60 Hz
12 V dc
- Power consumption < 1 VA
- Input signal TM-44 20 mV...3 V ac, 0....2000 Hz
- Input signal COVOL Reed contact, 0.... 100 Hz
- Precision No lost pulses
- Temperature range -10°C..... 60°C
- Output/input range 0.00000001.....0.9999
- Output signal Open Collector 0.1 A 40 V
TTL (5 V)
- Output pulse width 0.5 ms Standard
Up to 1 s on demand





Ordering Information

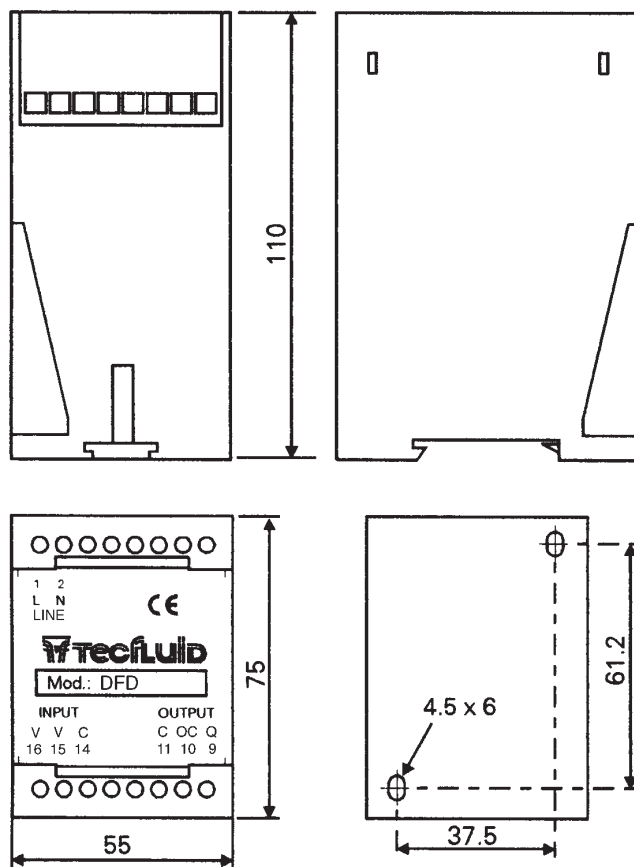
DFD / a / vvv

a	=	Input Type
= 1		COVOL
= 2		Turbine Pick-up
= 3		TTL
= 4		for 12 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 V ac 50-60 Hz
= 240		240 V ac 50-60 Hz
= 024		24 V ac 50-60 Hz
= 12d		12 V dc

NOTE : If the output pulse width required is not 0.5 ms please specify this data (maximum one second).

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.
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