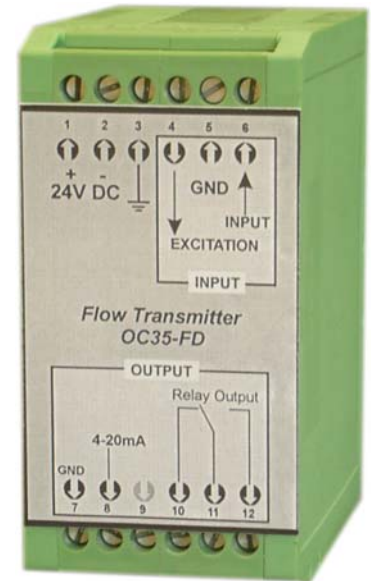




Flow Transmitter OC35-FD

- √ Frequency Input
- √ Analog Output 4 - 20mA
- √ Analog Output 0 - 10V
- √ Liter Pulses - Output
- √ Relay- or Transistor Output
- √ Excitation
- √ Flow Monitor
- √ Batch Controller
- √ For 35 mm DIN – Rail
- √ Supply 230V AC or 24V DC



Model OC35-FD is a Transmitter for converting of unknown frequencies into analog output signals 4-20mA or 0-10V. The required frequency range is determined with jumpers inside the instrument and can be set for nearly any industrial sensor or flowmeter with output frequencies up to 10 kHz.

The Transmitter OC35-FD offers a five digit programmable divider with output transistor or mechanical relay. Depending on the setting of the divider, output pulses are generated after each liter, gallon, kg, pounds etc. The transmitter delivers both information at the same time: the momentary flow rate and the cumulated flow units.

OC35-FD is supplied with 230V AC or 24V DC and is enclosed in DIN- 35mm rail case. Excitation of 12VDC is available for supplying of external sensors and flowmeters.

SPECIFICATIONS

Input: Positive pulses 5V, protected to 28V.

Range: 0 - 10 kHz. Four ranges are available with jumpers inside the instrument:

Installed ranges: 0-450Hz, 0-600Hz, 0-800Hz and 0-1200Hz
Customer range: 0-50Hz ... 0-10kHz with a pluggable resistor.

Output: 0/4 - 20mA or 0 - 10V for the selected frequency range.
The selection of 0-20mA, 4-20mA or 0-10V is inside the instrument.
Fine adjustment of 0/4mA (0 V) and 20mA (10 V) is available with two potentiometers ZERO and RANGE at the instrument's front.
The fine adjustment is approx. $\pm 10\%$.

Accuracy: $\pm 0.1\%$ from value.

Divider: Five code switches inside the instrument determine the division between :1 to :99999. The output pulse of 100ms controls an NPN output transistor or a mechanical relay. The output can be divided by :10 by a jumper setting.

Output: Standard: NPN Transistor with open collector, 60V-100mA.
Option: Mechanical relay 5A-230V AC.

Excitation: 12VDC-25mA for external sensors and flowmeters.

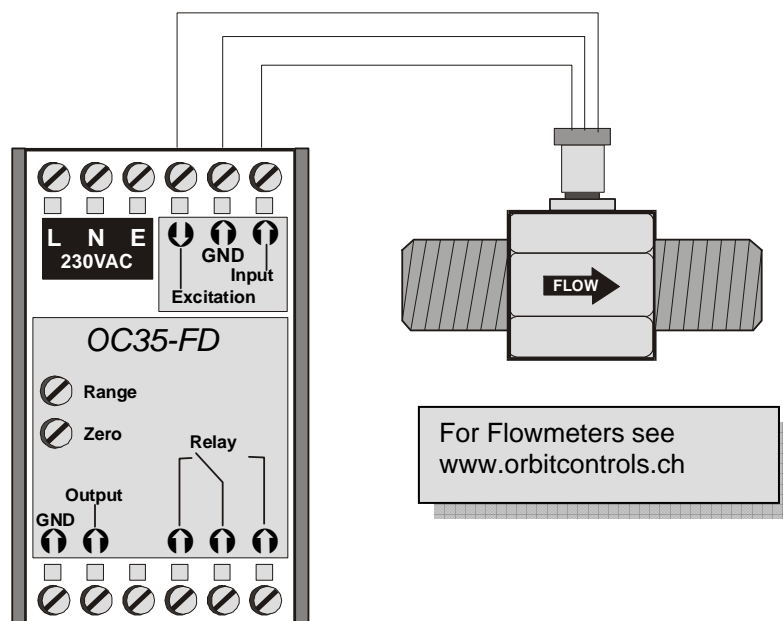
Supply: 230V $\pm 10\%$, 48 ... 60Hz. Option: 24VDC $\pm 10\%$

Cabinet: DIN-case for 35mm DIN-Rail.

Terminals: Screw terminals

Dimensions: 75 x 79 x 40 mm, 200g.

CONNECTIONS



© orbit controls 2607

ORBIT CONTROLS AG
Zürcherstrasse 137
CH – 8952 Schlieren – Zürich

Tel: +41 44 730 2753
info@orbitcontrols.ch
www.orbitcontrols.ch