Frequency Sensor with Voltage Output EFFU

- Sensor with adjustable voltage output
- Can be configured by user via pluggable pin (Teach-In)
- M12x1 industry locking plug system

ADVANTAGE

The converter can be screwed into all HONSBERG rotor and turbine flow meters which have an M12x1 screwed hole for the sensor. Using the integral sensor, it receives a frequency signal and converts it to a flow-proportional output voltage of 0(2)..10 V (linearization of the flow meters curve is possible!).

PROGRAMMING

- Adjust max frequency (= max flow) in the system.
- Apply a pulse of at least 0.5 seconds duration on pin 2 or white wire (for lead version), (e.g. by bridging to the supply voltage or pulse from PLC).

Immediately after programming, the sensor puts out 10 V. The current value for 0 Hz (0 or 2 V) has to be specified with order and cannot be changed at the unit later.

After programming, pin 2 (or the white wire) must be connected to 0V.

Programming can be inhibited during manufacturing of the sensor. This has to be ordered explicitly.

TECHNICAL DATA

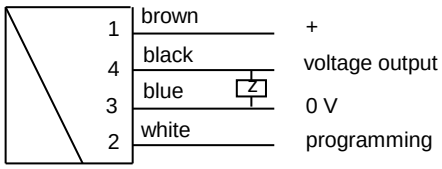
supply voltage	10..30 V DC
idle current	< 20 mA (without load)
voltage output	0..10 V or 2..10 V (other values on request)
frequency range	1..4095 Hz
connection	for locking plug M12x1, 4-pole
materials housing	nickel plated brass, PA66
protection class	IP67
operating temperature	0..70 °C
weight	approximately 25 g

MOUNTING

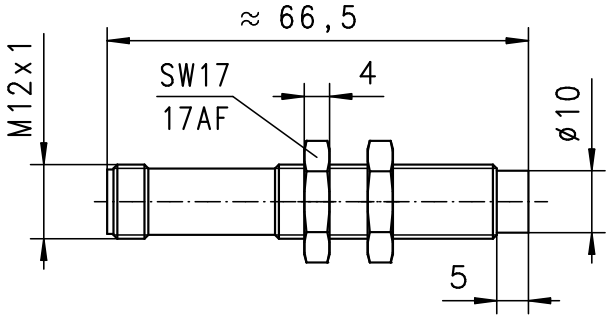
Screw the sensor into thread of the housing and turn it back a quarter of complete turn.

TERMINAL ASSIGNMENT

Before carrying out the electrical installation, make sure that the supply voltage corresponds to the data specification.



DIMENSIONS



NOMENCLATURE

EFFU-	H	U	0	S		basic type / specification
	H				●	Hall
	V				❍	biased Hall
	I				❍	inductive
		U			●	voltage output
			0		●	0 .. 10 V
			2		●	2 .. 10 V
			5		❑	0 .. 5 V
				S	●	locking plug M12x1, 4pole

●BASIC Standard ❍BASIC Programme option ❑VARIO Special option ⊕ PLUS Accessories ✕ not recommendable

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