



- * Sensor with variable frequency output
- * Can be configured by user via pluggable pin (Teach-In)
- * LED indication for frequency output
- * 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 proportional to the flow and calculates the output frequency. A yellow LED indicates the status of the output, i.e. it flashes in the rhythm of the output frequency.

PROGRAMMING (only EFFF-xA)

- Adjust set frequency (= set 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 shows the maximum output frequency which has to be specified with order.

After programming, Pin 2 (or the white wire) must either remain unconnected or be connected to 0V.

MOUNTING

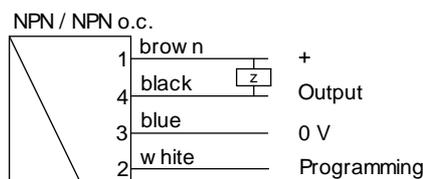
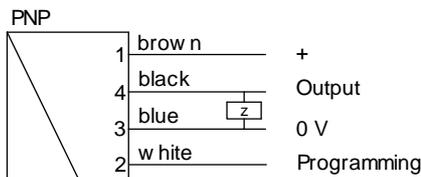
Screw the sensor into thread of the housing and turn it back a quarter of complete turn.

NOMENCLATURE

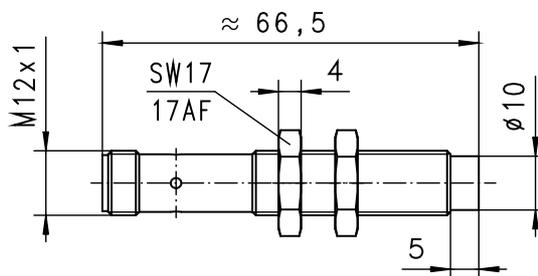
EFFF-	H	10000	P	2000	P	S	basic type specification
	H						● Hall
	V						○ biased Hall
	I						○ inductive
		10000					● Input frequency (max. 10000, specify only for fixed freq., otherwise 00000)
			P				● paired with HONSBERG unit
			F				● fixed input frequency
			A				● input frequency adjustable via program pin
				2000			● max. output frequency (max. 2000, specification required)
					N		● NPN
					P		● PNP
					M		○ NPN open collector
						S	● locking plug M12x1, 4pole

TERMINAL ASSIGNMENT

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



DIMENSIONS



TECHNICAL DATA

supply voltage	10..30 V DC
idle current	< 20 mA (without load)
output	NPN or PNP
short circuit current	max. 200 mA
input Frequency range	4..10000 Hz
output Frequency range	10..2000 Hz
connection	for locking plug M12x1, 4-pole Reservation according to DESINA
materials housing	nickel plated brass, PA66
protection class	IP67
operating temperature	0..70 °C
weight	approximately 25 g

All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

✗ not recommendable