

# VOCM-491

Analog signal conditioner

**±10 V/0-10 V / 4-20 mA**



VOCM-491-2 / DIN Rail Version

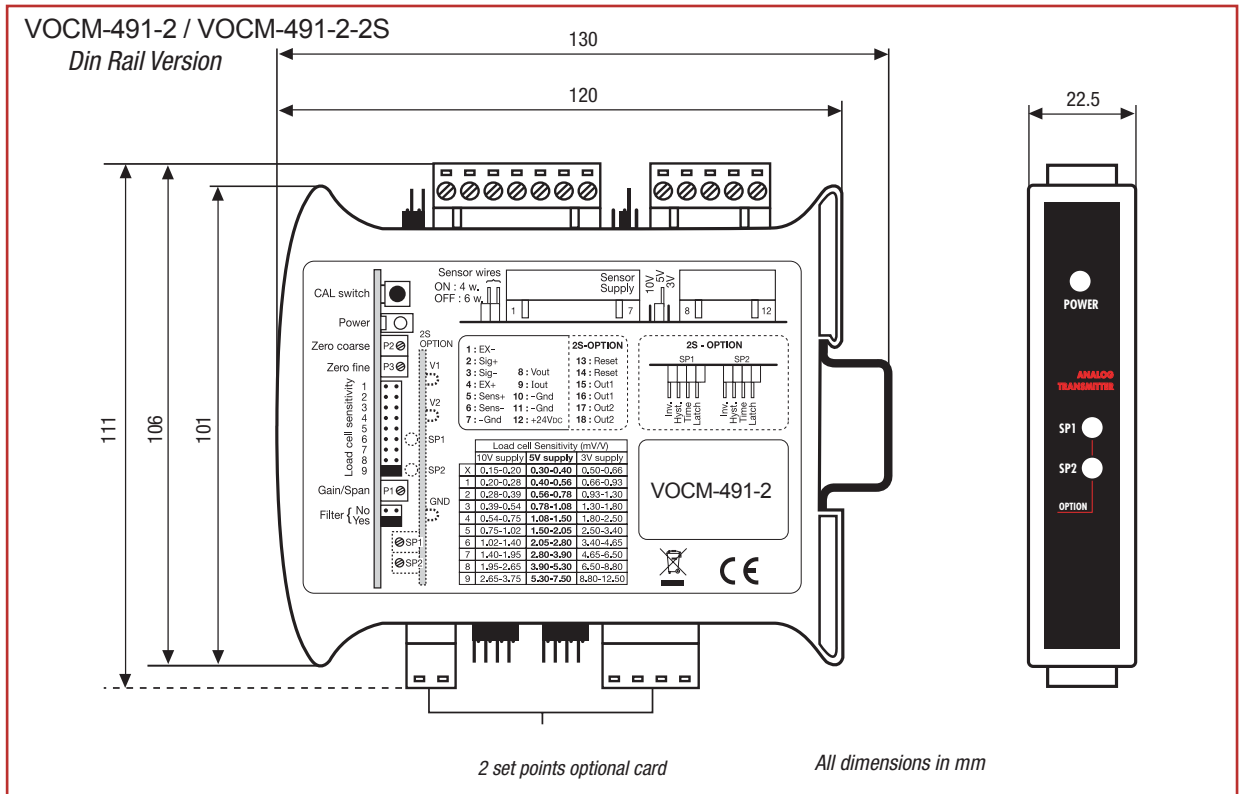


VOCM-491-1 / Board Version



VOCM-491-3 / Housing Version

- The VOCM-491 is able to run up to 4 strain gage load cells (350 Ohm)
- 4 or 6 wire load cell
- Voltage output (±10 Vdc or 0-10 Vdc) and current output (4-20 mA)
- Shunt calibration signal
- 2 set points on relays optional VOCM-491-2-2S

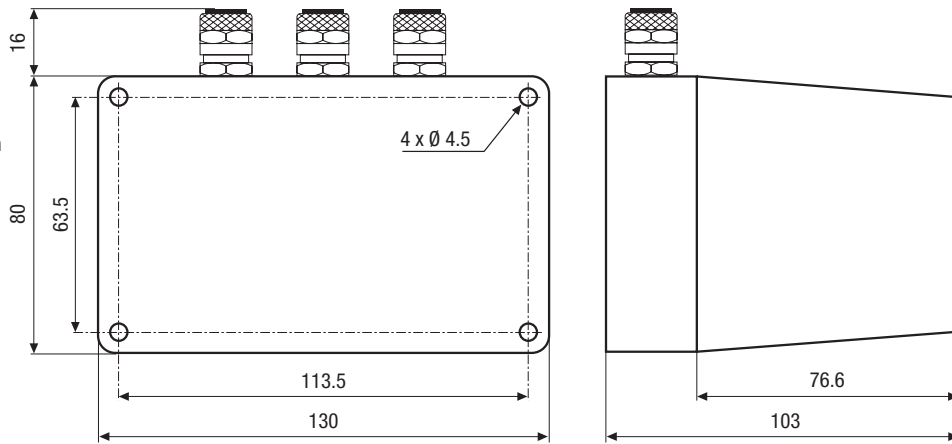


# VOCM-491

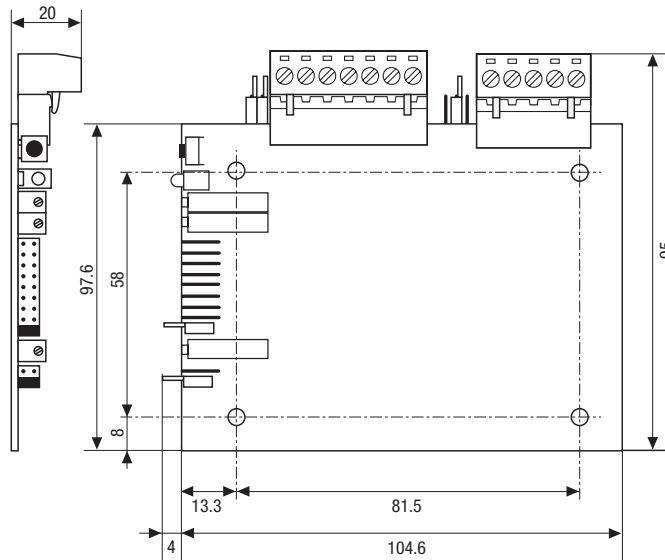
Analog signal conditioner

VOCM-491-3  
Housing Version

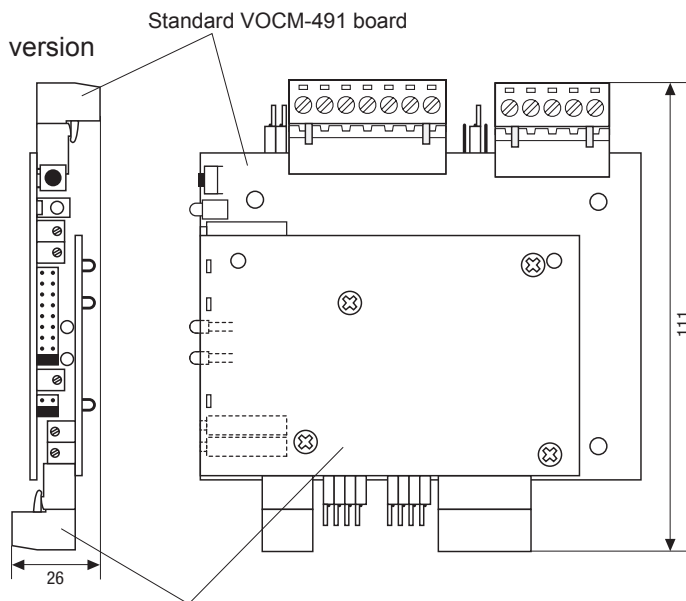
Not available on  
2S versions



VOCM-491-1 PCB



VOCM-491-1-2S board version



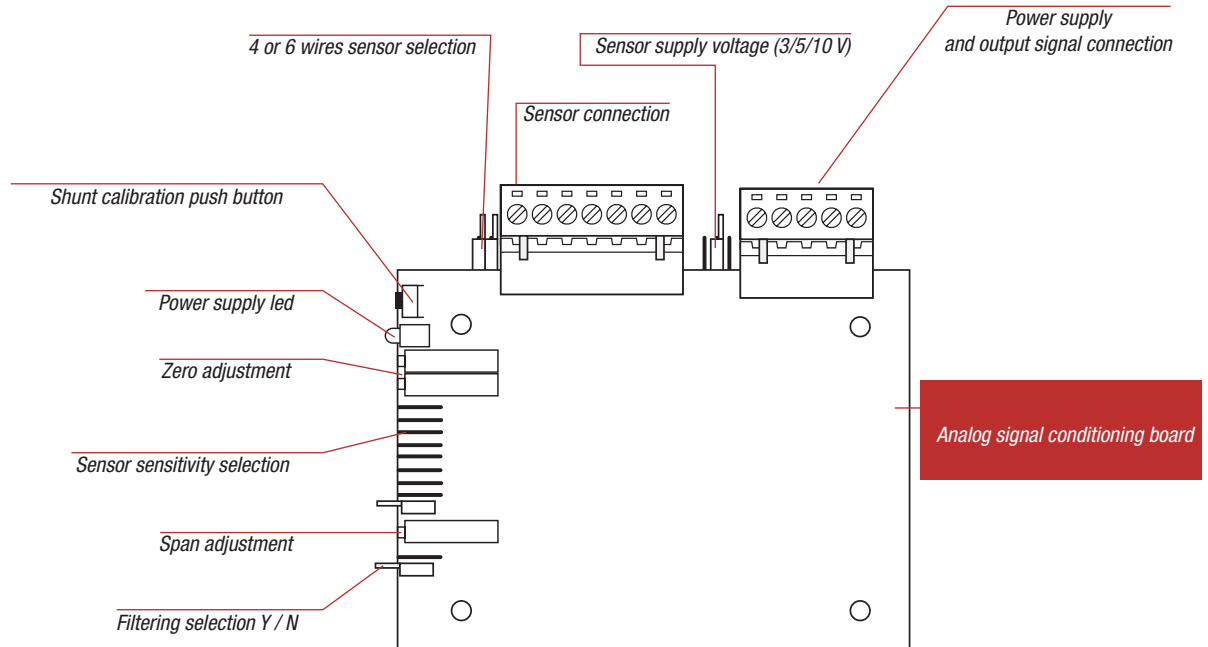
2 set points optional board

All dimensions in mm

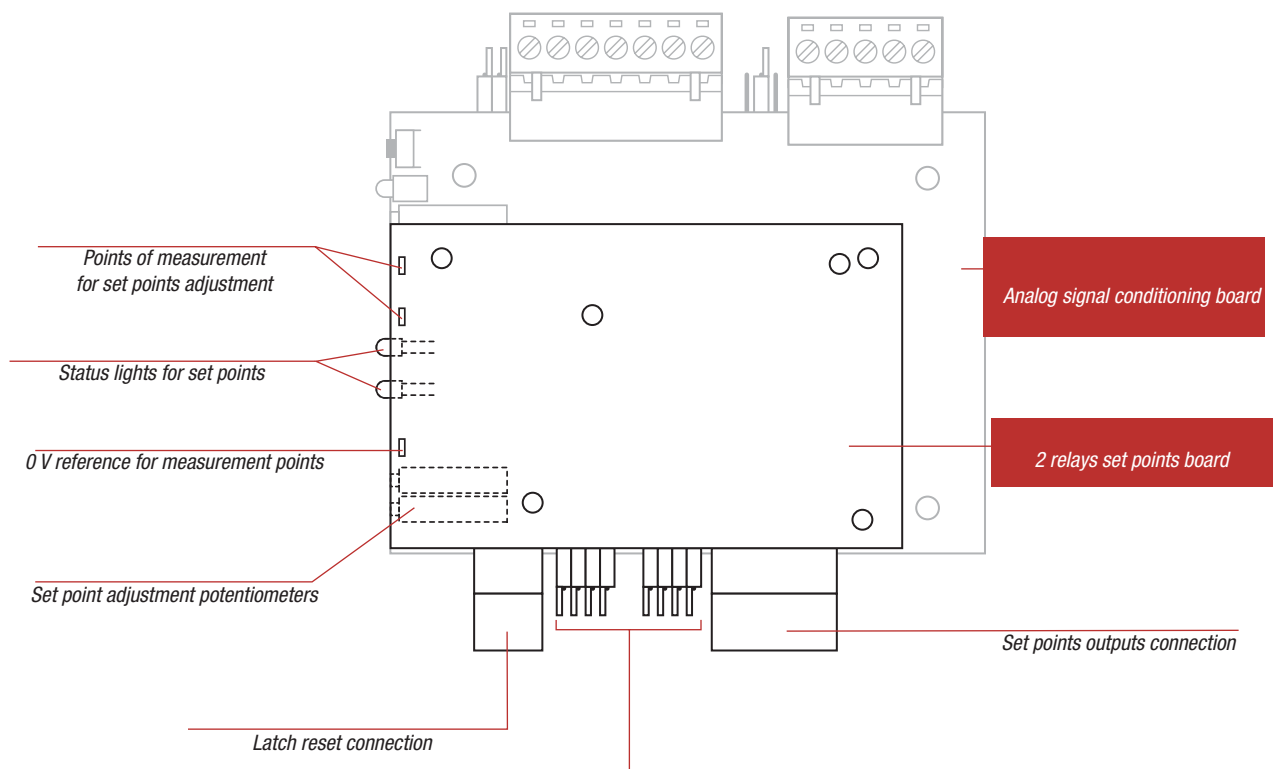
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## VOCM-491 wiring and settings



## VOCM-491 2S wiring and settings



### Set points setting:

- Relay Normally Open / Close
- Hysteresis 0.2 / 1.1 %
- Relay Holding time 5 / 600 ms
- Latch fonction Y / N

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## VOCM-491 Specifications

Power supply	24 ±4	Vdc
Accuracy class	0.05	%
Temperature effect on zero	≤0.035	%FS.*°C
Temperature effect on span	≤0.02	%/°C
Operating temperature range	0...+70	°C
Load cell input voltage (engaged with jumper)	3, 5, 10	Vdc
Min. load cell impedance: excit. 3/5 V	80	Ω
excit. 10 V	160	Ω
Span adjustment	0.15...12	mV/V
Max supply current VOCM-491 / 2S versions	120 / 170	mA
Voltage output	±10, 0-10	V
Current output	4-20	mA
Load impedance for voltage output	≥ 2000	Ω
Load impedance for current output	≤ 500	Ω
Capacitive load on the output	≤ 1	nF
Filtering (engaged with jumper) low pass (-3dB)	10	Hz
Bandwidth	≤ 20	KHz

## VOCM-491 2S Set points specifications

### GENERAL

Number of set points	2
Adjustment	2 potentiometers
Selectable functioning direction	yes
Hysteresis	1.1 / 0.2 % F.S.*
Holding time	5 / 600 ms
Latch function	yes
Response time	7 ms

### RELAY

Technology	Photorelays
On-state current max. at 40°C	0.4 A
Off-state voltage	55 V
On-state resistance	2 Ω
Isolation voltage	2 500 Vrms

\* F.S. : Full scale

## Options

Input for potentiometer	
Customized filtering	0.5...450 Hz
Power supply 12 Vdc**	

\*\* Output voltage limited to ±5, 0-5 V

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