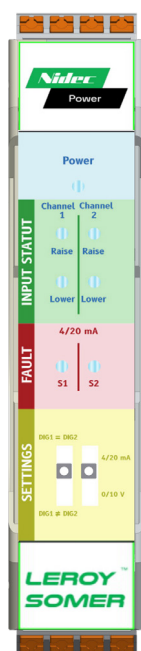


DPM DIGITAL POTENTIOMETER MODULE



KEY FEATURES

• Digital Input Control:

- Open: no action
- Closed: action
- Type: rising edge

• Analog Output Range:

- Voltage: 0 - 10VDC
- Current: 4 - 20mADC

• Power Supply:

- Voltage: 24VDC +/- 10%
- No-load current consumption: <30mA
- Maximum current consumption: <100mA

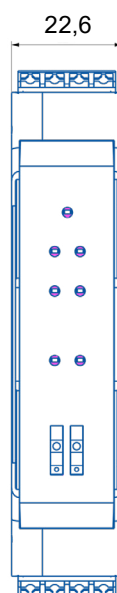
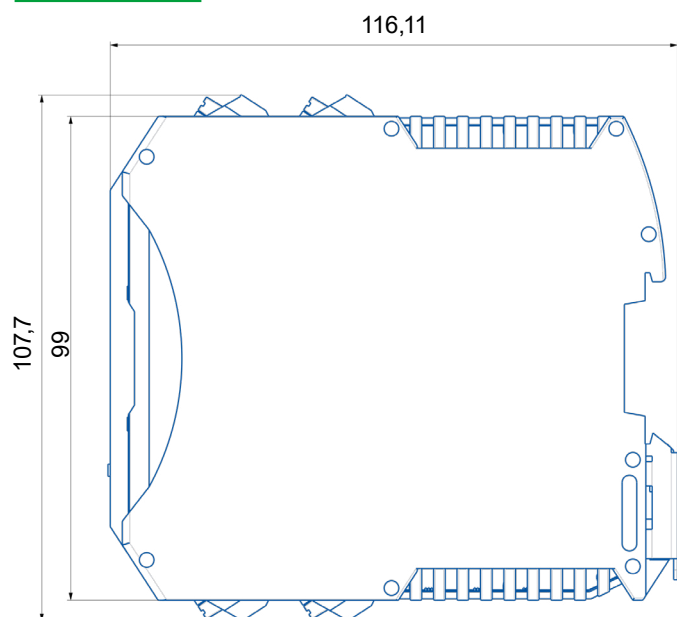
• Environmental Conditions:

- Ambient temperature: -40°C...+65°C
- Maximum humidity: 93% non-condensing

• Weight:

- 150g

DIMENSIONS



The Digital Potentiometer Module (DPM) is designed to generate a 0–10 V or 4–20 mA analog output signal from digital control inputs. The output value of each channel is adjusted through dedicated increment and decrement digital commands.

The module features two channels, each consisting of one analog output and two digital inputs (increment/decrement). The channels can operate either independently or in linked mode, selectable via the “S1 = S2” / “S1 ≠ S2” configuration switch.

When channel coupling is enabled, only the increment and decrement inputs of Channel 1 are active and control both outputs simultaneously.

A dedicated selector switch allows the user to choose between 0–10 V and 4–20 mA operating modes. The selected mode applies to both output channels.

Front-panel LEDs provide visual indication of the status of the increment and decrement inputs for each channel, as well as current loop interruption detection when operating in 4–20 mA mode.

