## Features

- 1-channel signal conditioner
- 24 V DC supply (loop powered)
- Voltage input -50 mV ... 50 mV
- Output 4 mA ... 20 mA
- Span and zero point adjustment
- Line fault detection (LFD)


## Function

This signal conditioner receives a -50 mV ... 50 mV signal input and produces a $4 \mathrm{~mA} . . .20 \mathrm{~mA}$ output. It also provides isolation for non-intrinsically safe applications.
Fine adjustment for zero and span are performed with the potentiometer on top of the unit.
Optional lead breakage monitoring is available with the field configurable DIP switches. Enabling this feature produces an output $\leq 3 \mathrm{~mA}$ when the input lead is broken, while disabling it produces an output $\leq 22 \mathrm{~mA}$.

## Assembly

## Front view



## c $\epsilon$

## Connection




## Configuration

## DIP switches function



## Adjustment instruction (example):

Input signal $\quad-50 \mathrm{mV} \ldots+50 \mathrm{mV}$
Output signal $\quad 4 \mathrm{~mA} \ldots 20 \mathrm{~mA}$; error message lead breakage downscaled

1. Set DIP switch S1.2 to the 1 position. Set all other DIP switches to the 0 position.
2. Add input minimum value of -50 mV .
3. Adjust output, zero point fine adjustment ( 4 mA ).
4. Add maximum value +50 mV .
5. Adjust output, span fine adjustment ( 20 mA ).

Steps 2. ... 5. may need to be repeated.

