

# Electronic Seal type PE-01

- ✓ Sealing cable length  $\geq 100\text{mm}$ .

## Designated use

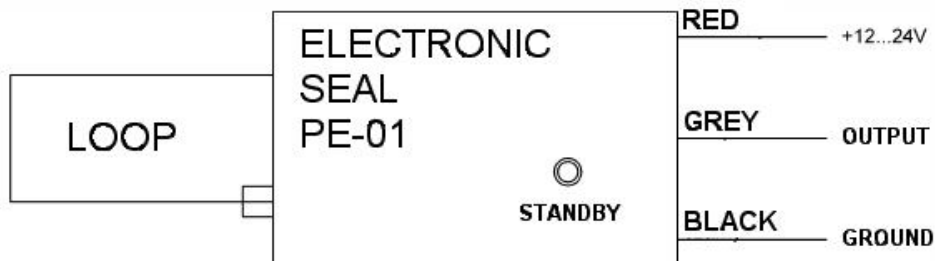
PE-01 electronic seal is a fine replacement for traditional disposable seals equipped with a sealing cable. In standby mode, with the sealing cable loop locked, the output status is high and a green LED is on. Shorting or cutting the sealing cable loop will trigger changing the output status to low and the LED will be turned off. There is an option to have the seal with inverse binary output signal. It is compatible with GPS recorders (e.g. on vehicles).

## Structure and operation

The system is composed of two comparators and a constant-voltage regulator. Input signal from the loop is transferred to a voltbox and compared with reference voltage in comparators. The electronic seal is encased in plastic housing made of Z-43 plastic.

## Technical Specification

<b>Working temperature range</b>	-25 – 80°C
<b>Sealing cable length</b>	$\geq 100\text{mm}$
<b>Binary output signal</b>	L or H
<b>Power voltage</b>	12...24V
<b>Housing protection class</b>	IP 54



Procedure:

1. Close the circuit of the sealing cable.
2. Connect the electronic seal output to the recorder.
3. Connect power voltage to the electronic seal.



## Mounting the seal:

- Put the wire through sealing holes.
- Insert the tip of the wire into the terminal strip.
- Slide the jacket over the strip.
- Heat up the jacket.
- Clamp the jacket as shown in the picture.