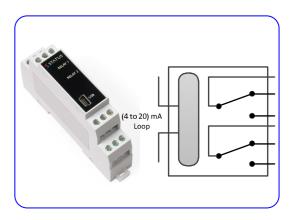
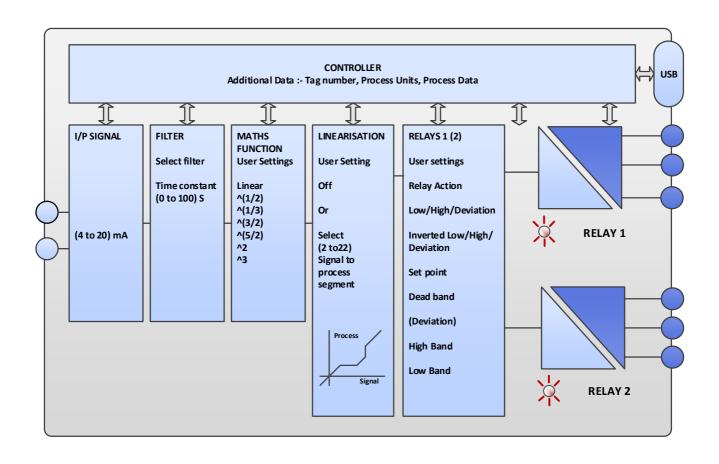
SEM1636

| > | DUAL RELAY OUTPUT WITH INDEPENDENT SET ACTIONS |
|---|---------------------------------------------------------|
| > | POWERED FROM (4 to 20) mA LOOP - VOLTAGE BURDEN 5 VOLTS |
| > | RELAY RATING 250V AC 1A ; 30V DC 1A |
| > | NORMAL AND INVERTED LOW/HIGH/DEVIATION RELAY ACTIONS |
| > | OPTIONAL FILTER AND USER LINEARISATION FUNCTIONS |
| > | LED RELAY INDICATION, FAIL ON OR FAIL OFF RELAY ACTIONS |
| > | CONFIGURATION USING USB PORT |
| | |



The SEM1636 monitors a (4 to 20) mA loop and provides two independent change over trip contacts set to alarm at any point within the (4 to 20) mA range. The SEM1636 requires no additional power connection as power is derived from the (4 to 20) mA loop. Relay outputs are independently configured for action and set point, dead band. Six actions are provided normal High/Low/Deviation and inverted High/Low/Deviation. Additional math, filter and user linearisation functions are provided.

Designed for ease of use, our USB interface is fitted for quick and easy configuration. Just connect a standard USB cable between the SEM1636 and your PC. Using our free configuration software, the user can configure the device to the required application. To further help save time, the SEM1636 does not need to be wired to a power supply during the configuration process, it is powered via the USB interface from your PC.



SPECIFICATION @20 °C

SPECIFICATION @ 20°C

INPUT

Type Maximum Range Voltage Burden Update Accuracy Protection Temp. Coefficient

RELAY 1

RELAY 2

Relay Actions

Connection

Indication

Protection

Galvanic Isolation

Type Contact rating

Туре Contact rating Relay Actions Connection Indication Protection Galvanic Isolation Reverse connection and over voltage. ±0.002 % / °C Form C relay contacts 250 V ac rms @ 1A ; 30 V dc @ 1 A resistive load

(3.8 to 22) mA Operating ±50 mA Maximum

(4 to 20) mA current loop.

± 0.02 % of full scale deviation

5 Volts Max.

100 mS

High-Low-Deviation ; Inverted High-Low-Deviation. Screw Terminal Relay 1 on - Red LED Protect with externally fitted 2.0 A (T) fuse 3750 V ac relay 1 to inputs ; relay 1 to relay 2

Form C relay contacts 250 V ac rms @ 1 A ; 30 V dc @ 1 A resistive load High-Low-Deviation ; Inverted High-Low-Deviation. Screw Terminal Relay 2 on - Red LED Protect with externally fitted 2.0 A (T) fuse 3750 V ac relay 2 to inputs ; relay 1 to relay 2

USER INTERFACE (CONFIGURATION ONLY)

Туре Baud rate Equipment

USER INTERFACE FUNCTIONS

Scaling Filter Math User Linearisation (Profile) Process Units Tag Number Relay Action Set point Dead Band High/low Band

ENVIRONMENT

Operating Ambient Storage Ambient Configuration Ambient Installation Enclosure

APPROVALS

MECHANICAL

CE

Style

Colour

Material

Weight

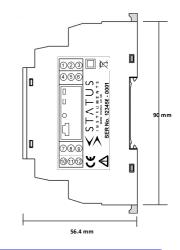
Terminals

BS EN 61010-1 Installation category I pollution degree. The product is classed as "PERMANENTLY CONNECTED EQUIPMENT".

DIN 43880 (1 Module) Grey Polymide 6.6 self extinguishing 2.5 mm Maximum < 70 grams

SEM1636





Order code:

Status Instruments Ltd Status Business Park Gannaway Lane, Tewkesbury Gloucestershire, UK GL20 8FD

Tel: +44 (0)1684 296818 Fax: +44 (0)1684 293746 Email: sales@status.co.uk Website: www.status.co.uk D2525-01-04 CN5395 SEM1636 Data SheetSheet



USB 2.0 19.200 baud PC running windows XP or later, USB cable.

User mA to process value scaling, for simplified setup. Adjustable time constant (0 to 100) Seconds Functions Linear, ^(1/2), ^(1/3), ^(3/2), ^(5/2), ^2, ^3. (2 to 22) segments mA to process. 4 Characters 20 Characters Individual actions for relay 1 and 2 Individual set points for relay 1 and 2 Individual dead band settings for relay 1 and 2 Individual High/Low Band settings for relay 1 and 2.

(-20 to 70) °C ; (10 to 90) %RH (non condensing) (-30 to 70) °C ; (10 to 90) %RH (non condensing) (10 to 30) °C

DIN Rail enclosure offering Protection >= IP65.

BS EN 61326