**Connecting and Configuring a Calex Electronics two-wire 4-20 mA output sensor
with an ATR121AD Controller**

Connecting the controller:

1. Attach power supply wires:
    - to pin 1
    + to pin 2

2. Attach sensor wires:
    PWR + (Red) to pin 9
    PWR - (Black) to pin 12
    Screen to pin 11 (this is optional)

3. Turn on the power. The display flashes "E-5".

Entering configuration mode:

4. Press and hold FNC for 5 seconds until the display shows "000".

5. Enter the password. Default password is "123":
    Press UP to increase first digit to "1". Press SET.
    Press UP twice to increase second digit to "2". Press SET.
    Press UP three times to increase third digit to "3". Press SET.

6. Display shows first configuration parameter "c.ou".

Inputting the sensor's temperature range:

7. Adjust the configuration parameters:
    Press UP and DOWN to select a configuration parameter to adjust.
    Hold SET and press UP and DOWN to change the value.
    Release SET to store the value.

8. Change the value of parameter "SEn" to "4.20"
    The controller now recognises the 4-20 mA output of the sensor.

    Use the table below to input the temperature range limits:

9. Change the value of "Lo.n" to the lower limit of the sensor's temperature range, in ⁰C

10. Change the value of "Hi.n" to the upper limit of the sensor's temperature range, in ⁰C

Sensor	Lo.n	Hi.n
PCxxxLT-0	-20	100
PCxxxMT-0	0	250
PCxxxHT-0	0	500

11. Press FNC to exit configuration mode. The display now shows the measured temperature.