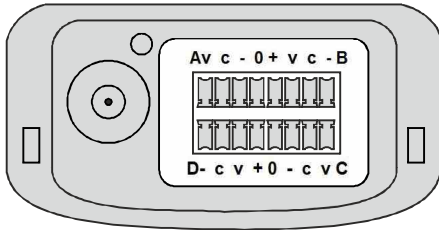


Eltek TU1020 - GS44/GS44E User Instructions

(Applicable to transmitters with serial numbers above 14889*)



Connector

1
2

GS44

The **GS44** provides four inputs, A B C and D. Each is a voltage or current input (v c -). There is also a **sensor supply output** on Connector 1 and a sensor supply output or FET switch on Connector 2.

Connector 1

- 0 is sensor supply output -ve
- + is sensor supply output +ve

Connector 2

- 0 is sensor supply output -ve or FET switch
- + is sensor supply output +ve or FET switch

GS44E

The **GS44E** provides four inputs, A B C and D. Each is a voltage or current input (v c -). There is also an **external 9VDC supply input** on Connector 1 and a sensor supply output or FET switch on Connector 2.

Connector 1

- 0 is external 9VDC -ve
- + is external 9VDC +ve

Connector 2

- 0 is sensor supply output -ve or FET switch
- + is sensor supply output +ve or FET switch

GS44 and GS44E common specifications

V is voltage input. (0-100mV / 1V / 10V and EU scaling configured using Darca software)

C is current input. (0-20mA or 4-20mA and EU scaling configured using Darca software). If current is used, link v to c. - is the -ve voltage or current input.

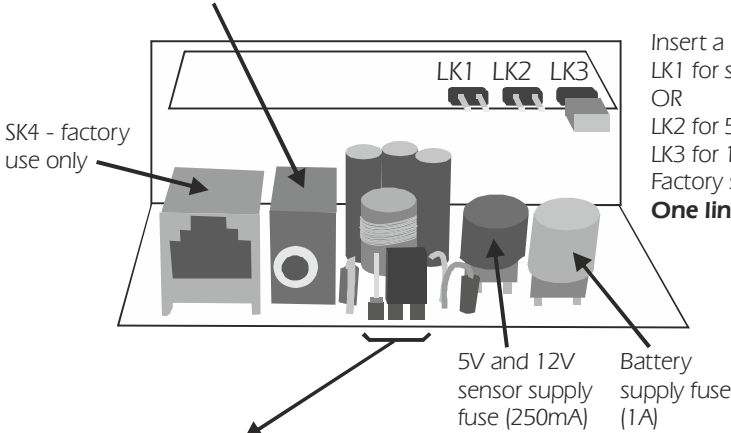
All ranges can be scaled in Tx setup (part of Darca software). A common sensor supply "on-time" can be set in Tx setup.

*For serial numbers prior to this, the 5V and 12V are swapped and the external supply link is not provided.

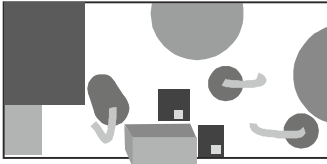
Note: When renewing batteries (and especially if transmitter is no longer operating), ensure you allow one minute with no batteries connected before installing new batteries. This is to ensure transmitter performs a power on reset.

GS44 / GS44E / links

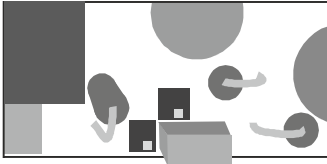
Configuration socket (3.5mm "stereo" jack socket)



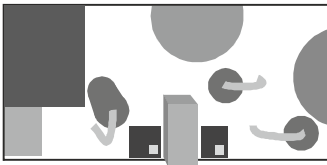
Insert a Link in:
 LK1 for switched sensor output
 OR
 LK2 for 5V or
 LK3 for 12V on connector 2.
 Factory setting is LK3 (12V)
One link only is permitted.



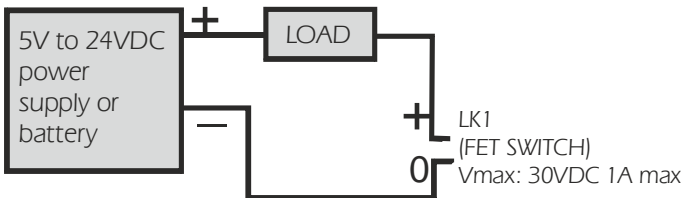
Position of link to provide 5VDC precision (20mA max) sensor supply on Connector 1 (0 +)



Position of link to provide 12VDC regulated (80mA max) sensor supply on Connector 1 (0 +)



Position of link to enable 9VDC regulated supply to power transmitter at Connector 1 (0 +)
 The internal batteries are not active unless the external supply fails.
 If configured by Eltek the product is GS44E.
 If a GS44 is configured by user to GS44E please annotate serial number labels by adding "E".



Caution!

Do not apply external power to Connector 1 or 2 (0 +) if configured as sensor supply. Damage to the unit can result.