BEL10

Operating Instructions

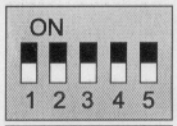
Baldwin Boxall Communications Ltd.
Wealden Industrial Estate, Farningham Road
Crowborough, East Sussex, TN6 2JR

Telephone: 01892 664422 Fax: 01892 663146
Website: www.baldwinboxall.co.uk
Email: mail@baldwinboxall.co.uk

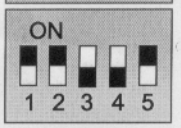
BALDWIN BOXALL
COMMUNICATIONS

Settings

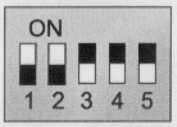
Every of the 10 channels must be set to the number of spurs and hence of the parts of this unit connected at one 100V output line. So for every channel a quintuble DIP-switch is assigned, which has to set as follows:



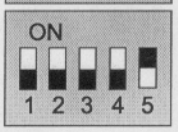
1 spur = 1 mA current (factory set)
set DIP-switch # 1...5 to ON



2 spurs = 0,5 mA current
set DIP-switch # 1, 2, 5 to ON • DIP-switch # 3, 4 to OFF

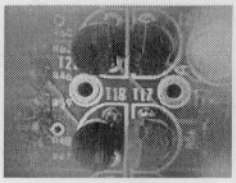


3 spurs = 0,33 mA current
set DIP-switch # 3, 4, 5 to ON • DIP-switch # 1, 2 to OFF

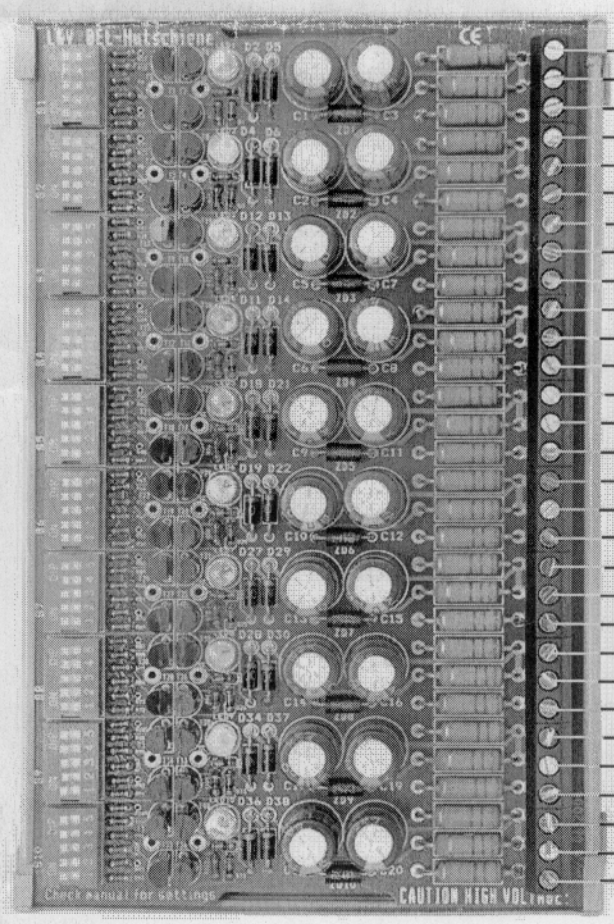


4 spurs = 0,25 mA current
set DIP-switch # 1...4 to OFF • DIP-Switch # 5 auf ON

The DIP-switch #5 ist only used for servicing.
If it is set to OFF, the current-output of the correspondending BEL module is disconnected from the power rail output. In this case checking of the generated current can be done with a DC current-meter by connecting to the testpoints of the correspondending channel, shown on the right.



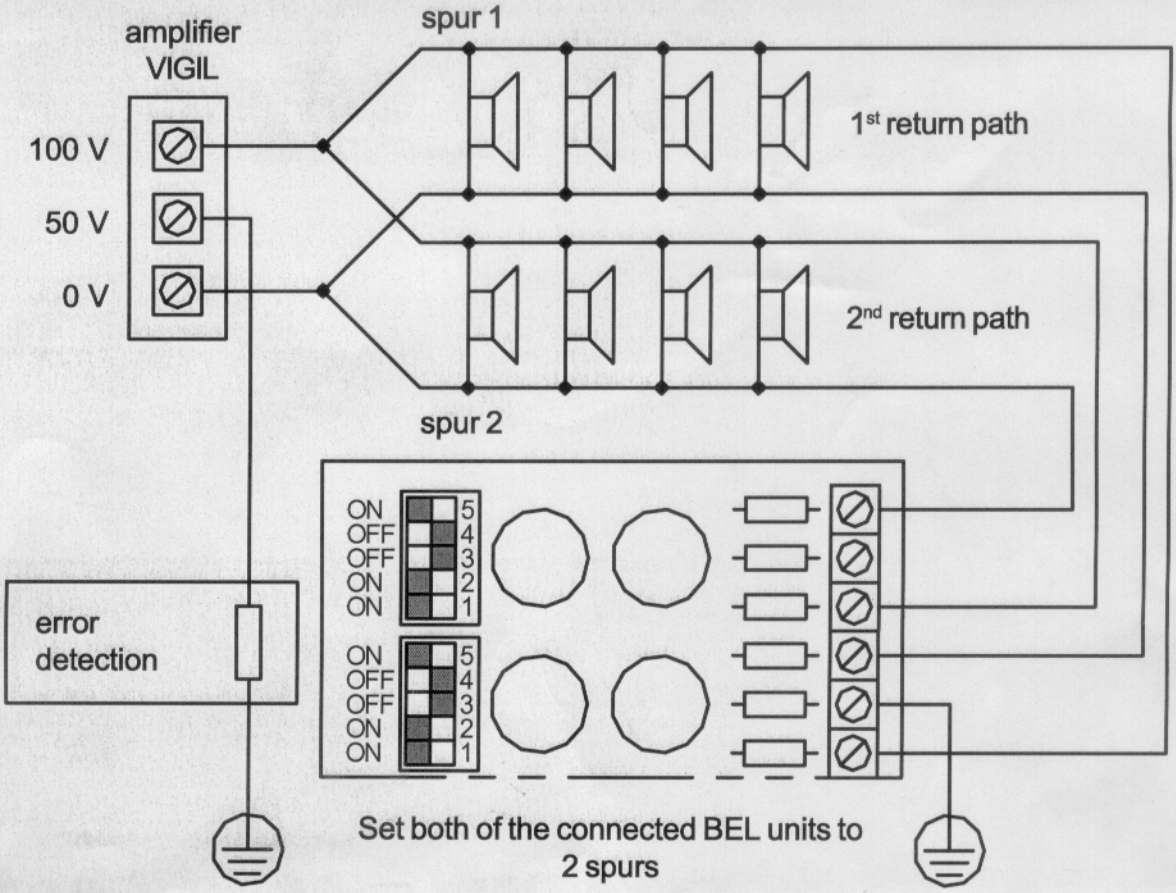
Connecting the 100V lines



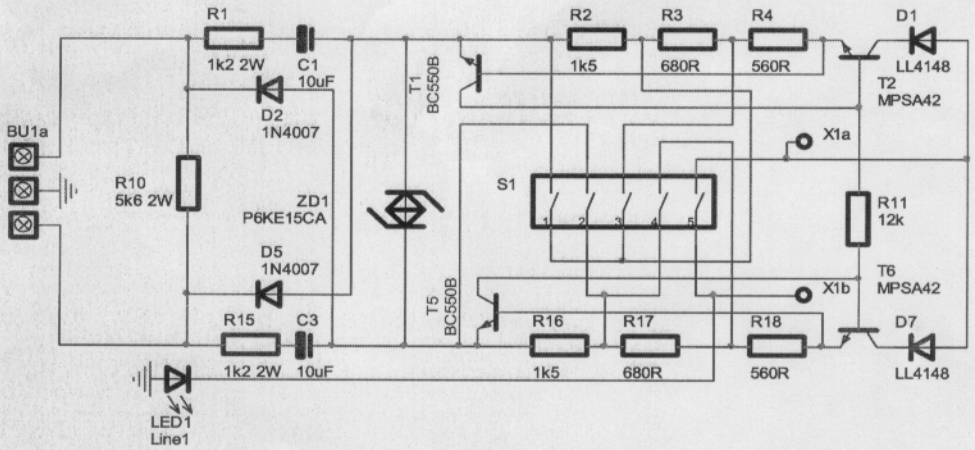
Line 1 100 V 1st lead
power rail output
Line 1 100 V 2nd lead
Line 2 100 V 1st lead
power rail output
Line 2 100 V 2nd lead
Line 3 100 V 1st lead
power rail output
Line 3 100 V 2nd lead
Line 4 100 V 1st lead
power rail output
Line 4 100 V 2nd lead
Line 5 100 V 1st lead
power rail output
Line 5 100 V 2nd lead
Line 6 100 V 1st lead
power rail output
Line 6 100 V 2nd lead
Line 7 100 V 1st lead
power rail output
Line 7 100 V 2nd lead
Line 8 100 V 1st lead
power rail output
Line 8 100 V 2nd lead
Line 9 100 V 1st lead
power rail output
Line 9 100 V 2nd lead
Line 10 100 V 1st lead
power rail output
Line 10 100 V 2nd lead

At least one terminal of the power rail output must be connected to 0V or GND.

Example for connecting when used two spurs.



Schematic (only 1 channel shown)



Technical data

input voltage:	10 x 10...100 VAC (100V line)
ouput current:	10 x 1 / 0,5 / 0,33 / 0,25 mA adjustable
current indication:	10 x red LED
self-power-requirements:	2 W for every connected channel
size:	162 x 105 x 45 mm
Befestigung:	DIN-Tragschiene