AN0016
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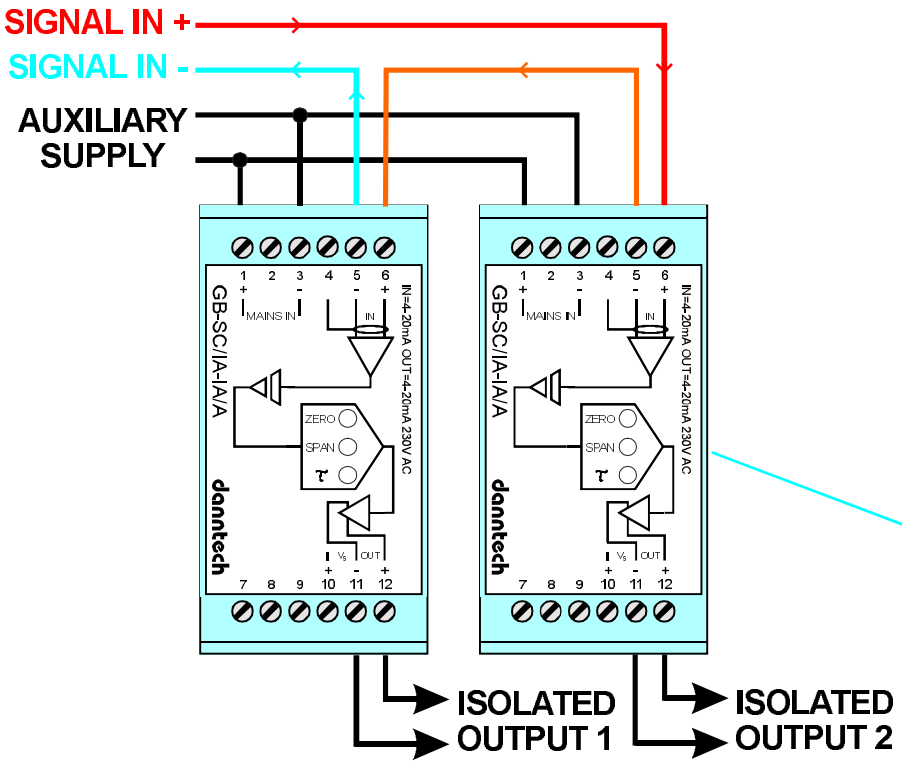
Using the Signal Converter as an Isolator and Signal Splitter



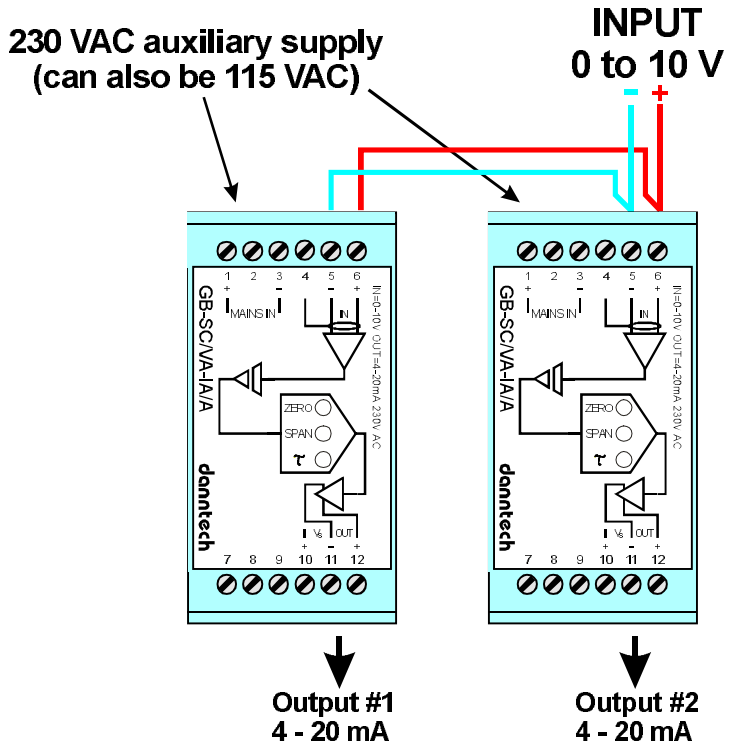
Note: If the cable screening is used, only one of the Signal Converters must be connected to the cable screen. The other should be left unconnected.

The input resistance for each converter is 50 ohms so you must allow for more than one volt drop across each Signal Converter input at 20 mA.

Voltage input models can simply be connected with their inputs in parallel with each other.

Four way galvanic isolation between the auxiliary supply, the input and each output.

Creating two 4-20 mA outputs from one 0-10 V input using two Signal Converters



Part Numbers:
GB-SC/VA-IA/A
(for 230 VAC auxiliary supply)

Auxiliary supply options are:
230 VAC
115 VAC
24 VDC
12 VDC

Input signal options -
current:
A = 4 - 20 mA
B = 0 - 20 mA
C = ±5.5 mA
D = 0 - 1 mA
E = 0 - 5 mA
L = 0 - 200 mA
L = 0 - 800 mA
voltage:
A = 0 - 10 V
B = 0 - 50 mV
C = ±50 mV
D = 0 - 5 V
E = ±5 V
F = 1 - 5 V
G = ±10 V
H = 0 - 100 mV
I = 0 - 150 mV
J = ±150 mV
K = 0 - 1 V
L = 0 - 20 V
M = 0 - 30 V
P = ±1.25 V
Q = 0 - 60 mV
R = ±1.5 V
S = 0 - 200 mV
T = 0 - 15 V
U = ±20 mV
V = ±100 mV
W = ±50 V
X = 0 - 3 V
Y = 0 - 100 V
Z = 0 - 120 V