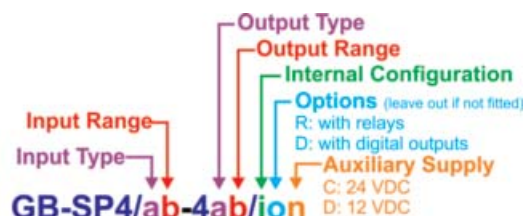


FOUR OUTPUT PROCESS SIGNAL SPLITTER



- **Process signal replication.**
- **One input - four galvanically isolated outputs.**
- **Six way isolation - input isolation > 1000 VDC between input, outputs and auxiliary supply.**
- **Various input and output options - 0-20 mA, 4-20 mA, 0-10 V DC, or $\pm 10V$ (others on request).**
- **Dual relay or digital outputs for alarms - optional.**
- **Each output can be different if required.**

PART NUMBERING:



a = I: current	a = V: voltage	a = L: loop powered
b = A: 4 to 20 mA	b = A: 0 to 10 V	b = A: 4 to 20 mA
B: 0 to 20 mA	B: 0 to 50 mV (input only)	B: 0 to 20 mA
D: 0 to 1 mA	C: ± 50 mV (input only)	D: 0 to 1 mA
E: 0 to 5 mA	D: 0 to 5 V	E: 0 to 5 mA
M: 0 to 1 A (input only)	E: ± 5 V	
N: 0 to 5 A (input only)	F: 1 to 5 V	
P: 0 to 10 A (input only)	G: ± 10 V	
Q: 0 to 15 A (input only)		

APPLICATIONS:

Providing isolated process signal replication.

Parallel redundant systems using a single transmitter.

Adding four isolated outputs with minimal effect on the existing process loop.

Alarm trip unit with dual relay or digital outputs.

SPECIFICATIONS:

- **One input with various options - Current (DC):** 4-20 mA, 0-20 mA. Loop power available at +15 V, 22 mA for loop powered transmitter inputs. **Voltage (DC):** 0-100 mV, 0-1 V, 0-10 V, 0-30 V, 0-100 V and ± 10 V.
- **Four outputs with various options - Current (DC):** 4-20 mA, 0-20 mA. **Voltage (DC):** 0-1 V, 0-5 V, 0-10 V, ± 10 V.
- **Relay Outputs** - optional: Two alarm relay outputs 30 VDC at 1 A / 125 VAC, 0.3 A.
- **Digital Outputs** - optional: Two opto isolated transistor outputs up to 50 V at 40 mA maximum.
- 24 VDC (-5%, +10%) auxiliary power supply at approximately 150 mA.
- Galvanic isolation between auxiliary supply, input and all outputs > 1000 VDC.
- Input impedance > 100 k Ω for voltage input versions, 50 Ω for current inputs.
- Maximum load resistance 400 Ω for current outputs.
- Voltage output current maximum is 5 mA.
- Input and outputs - $\pm 10\%$ over and under range.
- Step response < 100 mSec on all outputs.
- Trimpot adjustment of zero and span for each output.
- Power On/Status green LED.
- Input Status and Alarm LEDs.
- Operating temperature -10°C to +70°C.
- Plug-in screw terminals.
- High quality, self-extinguishing polyamide enclosure.
- DIN rail mounting enclosure - 22.5 x 100 x 113 mm (width x length top to bottom x height off DIN rail).
- Approximate weight 100 g.



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