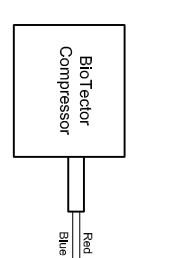
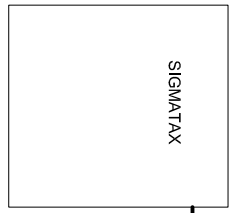


Note: Mains cable Recommended to use separate mains cable. Single core cross section area between 1.5mm² and 2.5mm².

Optional freely programmable output relays

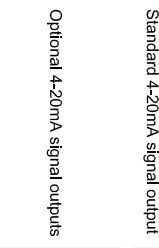


Optional freely programmable input relays



44	SIGMATAX Interface Board
45	Power supply 1 output: 24V DC.
46	Power supply 2 output: 0V DC.
47	RS232 output: TX
48	RS232 output: RX
51	RS232 output: GND
52	Analogue input 1: 4-20mA + input
53	Analogue input 1: 4-20mA - input
54	Analogue input 2: 4-20mA + input
55	Analogue input 2: 4-20mA - input
61	Analogue output 1: 4-20mA + output
62	Analogue output 1: 4-20mA - output
63	Analogue output 2: 4-20mA + output
64	Analogue output 2: 4-20mA - output
65	Analogue output 3: 4-20mA + output
66	Analogue output 3: 4-20mA - output
67	Analogue output 4: 4-20mA + output
68	Analogue output 4: 4-20mA - output

Note: 2 core per signal. Recommended to use separate 4-20mA signal cable. Single core cross section area between 0.22mm² and 1.5mm². Loop cable through ferrite type 74271222 as shown.



1	E: Earth cable	Fuse for 230v supply, Fuse F1: T2A
2	N: Neutral cable	Fuse for 115v supply, Fuse F1: T3.15A
3	P: Phase cable: 230v or 115v as required.	
11	Digital output 1: Normally open contact	Contacts shown in normally de-energized state
12	Digital output 1: Common contact	
13	Digital output 1: Normally closed contact	
14	Digital output 2: Normally open contact	
15	Digital output 2: Common contact	
16	Digital output 2: Normally closed contact	
17	Digital output 3: Normally open contact	
18	Digital output 3: Common contact	
19	Digital output 3: Normally closed contact	
20	Digital output 4: Normally open contact	
21	Digital output 4: Common contact	
22	Digital output 4: Normally closed contact	
23	Digital output 5: Common contact	
24	Digital output 6: Normally open contact	
31	Digital input 1: 24V DC input	
32	Digital input 1: 0V DC input	
33	Digital input 2: 24V DC input	
34	Digital input 2: 0V DC input	
35	Digital input 3: 24V DC input	
36	Digital input 3: 0V DC input	
37	Digital input 4: 24V DC input	
38	Digital input 4: 0V DC input	
41	Power supply 2 output: 24V DC.	Fuse for PSU 2, Fuse F4, T500mA.
42	Power supply 2 output: 0V DC.	
43	Power supply 2 output: 0V DC.	
44	Power supply 1 output: 24V DC.	Fuse for PSU 1, Fuse F3, T500mA
45	Power supply 1 output: 0V DC.	
46	RS232 output: TX	Fuse for internal fan and heater: Fuse F2, T1A
47	RS232 output: RX	
48	RS232 output: GND	
51	Analogue input 1: 4-20mA + input	
52	Analogue input 1: 4-20mA - input	
53	Analogue input 2: 4-20mA + input	
54	Analogue input 2: 4-20mA - input	
55	Analogue input 2: 4-20mA + input	
61	Analogue output 1: 4-20mA + output	
62	Analogue output 1: 4-20mA - output	
63	Analogue output 2: 4-20mA + output	
64	Analogue output 2: 4-20mA - output	
65	Analogue output 3: 4-20mA + output	
66	Analogue output 3: 4-20mA - output	
67	Analogue output 4: 4-20mA + output	
68	Analogue output 4: 4-20mA - output	



Fuse F1 230V T2.0A 115V T3.15A		11 12 13	17 18	21 22	31 32	35 36	Fuse F4 T500mA PSU#2	Fuse F3 T500mA PSU#1	Fuse F2 T1A Internal fan or heater	51 52	61 62	65 66
1	2	DO-1	DO-3	DO-5	DI-1	DI-3	PSU#2	PSU#1	RS232 Tx Rx Gnd	AO-1	AO-2	AO-3
EN	NP	NO C	NC	NO C	NO C	NO C	24V 0V	24V 0V	24V 0V	+	+	+
230/115V		14 15 16	19 20	23 24	33 34	37 38	41 42 43	44 45	46 47 48	AO-4		
		DO-2	DO-4	DO-6	DI-2	DI-4	PSU#2	PSU#1	RS232	+	+	+
		NO C	NO C	NO C	24V 0V	24V 0V	24V 0V	24V 0V	24V 0V	+	+	+

Power and IO PCB 81204350_01

REV	DETAILS	I.D.	DATE
X1	Drawing Created	MP	11/08/2014
X2	Power Output Wiring Updated	EH	03/11/2015
X3	Compressor Output Moved	EH	16/11/2015
X4			



DRAWING: 81105046		X3
PRODUCT: BIOTECTOR B3500		
DRAWING TITLE: TERMINATION WIRING BIOTECTOR COMPRESSOR & SIGMATAX		
BIOTECTOR IRELAND - WWW.BIOTECTOR.COM		UNIT: METRIC