### (1) - Reader Settings

Reader Type		Controller
SP-MINI	SP-KPV	1000+
RED (vcc)	RED (vcc)	N/A 1
BLACK (0v)	BLACK (0v)	N/A 1
GREEN (Data0)	GREEN (Data0)	CK <sup>2</sup>
WHITE (Data1)	WHITE (Data1)	DT <sup>3</sup>
BROWN (Led)	BROWN (Led)	LD <sup>4</sup>
N/A	YELLOW (Buzz)	BZ

Reader power wires should connect to the PSU Board

#### (2) - Address Settings

OFF (left).



Locate the DS1 switch at the bottom-middle of the panel. For most proximity and biometric readers, ensure that switch 6 is set to ON (right). All others should be

Switch 1 2 3 4 5	Address	Switch 1 2 3 4 5	Address
00000	00	00001	16
10000	01	10001	17
01000	02	01001	18
11000	03	11001	19
00100	04	0 0 1 0 1	20
10100	05	10101	21
01100	06	01101	22
11100	07	11101	23
00010	08	00011	24
10010	09	10011	25
01010	10	01011	26
11010	11	11011	27
00110	12	0 0 1 1 1	28
10110	13	10111	29
01110	14	01111	30
11110	15	11111	31

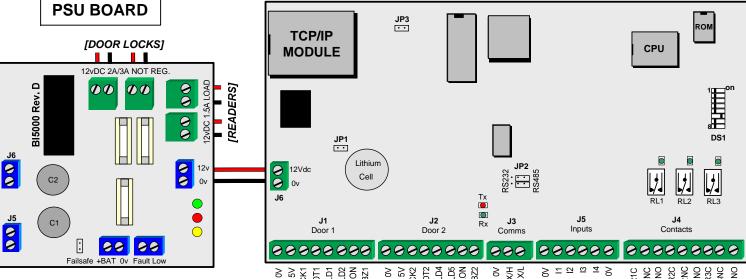
## (3) - Communication Settings

The cable connecting the USB-485 device to the controller is shielded. <u>Always</u> ensure that any RS485 wire shields are linked together, and that they are connected at the USB-485 interface end. <u>Never</u> connect the shielding at the controller end.

If the distance between the converter and the controller is greater than 500m, then you must install a 120 ohms terminator resistor at the far end of the RS485 line (i.e. at the last controller). No resistor is needed for distances less than 500m.

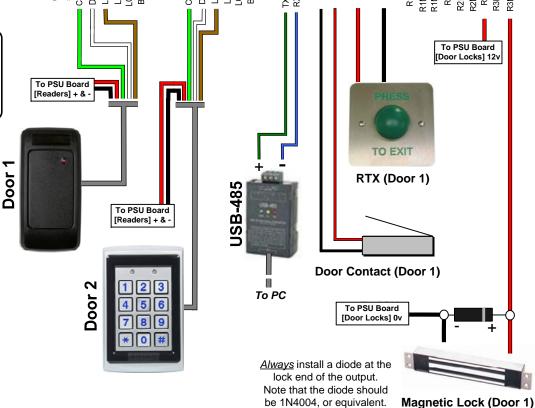
### IC1000+ / IC1000+TCP





# **WARNING**:

Do not apply voltage higher than 30v to alarm inputs



<sup>&</sup>lt;sup>2</sup> The board is printed CK1 and CK2.

<sup>&</sup>lt;sup>3</sup> The board is printed DT1 and DT2.

<sup>&</sup>lt;sup>4</sup> The board is printed LD1, LD2, LD4 and LD5.