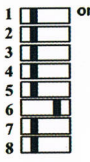
(1) - Reader Settings

Reader Type		Controller
SP-MINI	SP-KPV	2000 / 4000
RED (Vcc)	RED (Vcc)	Vcc [1]
BLACK (0v)	BLACK (0v)	0v [1]
GREEN (Data0)	GREEN (Data0)	Clk [2]
WHITE (Data1)	WHITE (Data1)	Dat [3]
ORANGE (Led)	BROWN (Led)	Led [4]
YELLOW (Buzz)	YELLOW (Buzz)	Buzz

[1] Reader power wires should connect to the PSU Board
[2] The board is printed clk1, clk1o, clk2, and clk2o.
[3] The board is printed dat1, dat1o, dat2, and dat2o.
[4] The board is printed led1, led2, led4, and led5.

(2) - Address Settings



Locate the JP4 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 OFF (left).

(3) - Format Settings

Locate the DS2 switch on the lower-left of the panel. For most proximity and biometric readers, ensure that switches 2 and 4 are set to ON (right). 1 and 3 should be OFF (left).

(4) - Communication Settings

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

WARNING:

Always turn off power when installing extension boards!

Do not apply voltage higher than 30v to alarm inputs