

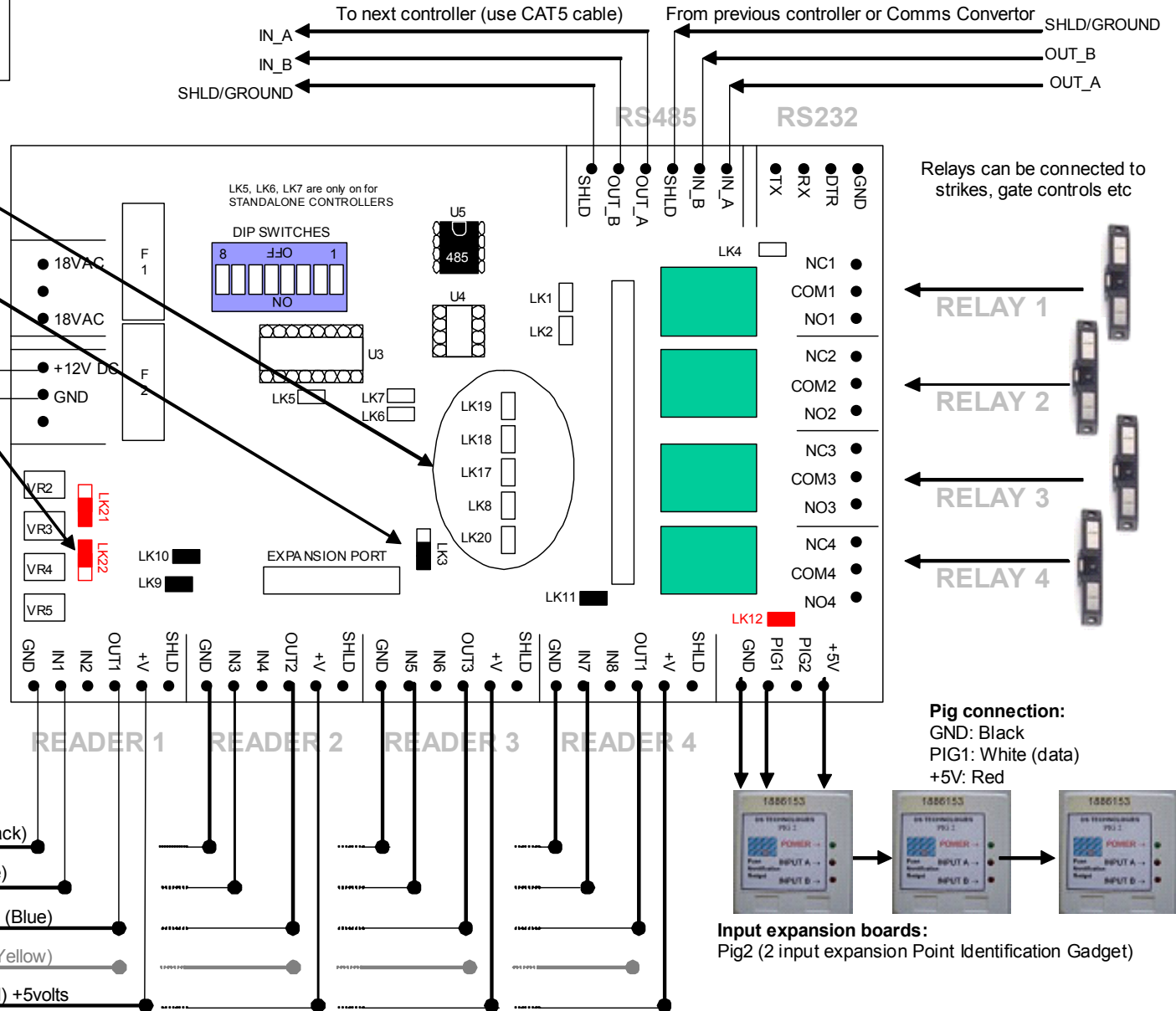
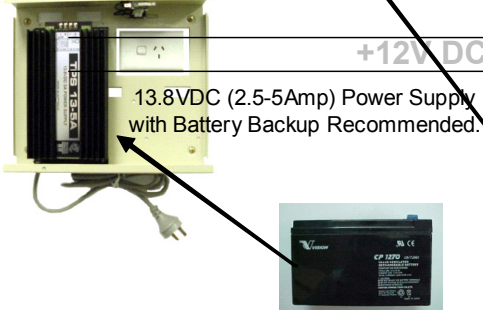
Silicon Key Reader – Rev 2.3 board

POT Setting:
 VR2, VR3, VR4, VR5 – 1.5k Resistance
 (Measure between reader Data and reader +V)

1 Door: no links
2 Doors: no links
3-4 Doors: no links

When using **4 or 16 way expansion boards** put LK3 UP

LK22 Up: +V = **5 volts**
 LK22 Down: +V = **12 volts**

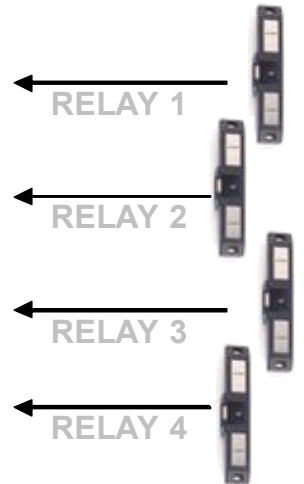


Note: The cable type for the Silicon Key readers must not be shielded.
 Use CAT5 UTP or 2 pair telephone UTP.
 Maximum distance is 100 meters from the controller.



Ground (Black)
 Data (White)
 Green LED (Blue)
 Red LED (Yellow)
 Power (Red) +5volts

Relays can be connected to strikes, gate controls etc



Pig connection:
 GND: Black
 PIG1: White (data)
 +5V: Red



Input expansion boards:
 Pig2 (2 input expansion Point Identification Gadget)

Ensure the reader type is set to **IBUTTON**.

Reader options
 Reader interface: **iButton**
 Type: **KEY**

The Silicon Key Reader includes an alternative 'Red LED' wire (yellow) that can be connected instead of the 'Green LED' cable (blue).

Don't scan for keys/pigs on

<input type="checkbox"/> IN1	<input checked="" type="checkbox"/> IN2	<input type="checkbox"/> IN3	<input checked="" type="checkbox"/> IN4
<input type="checkbox"/> IN5	<input checked="" type="checkbox"/> IN6	<input type="checkbox"/> IN7	<input checked="" type="checkbox"/> IN8
<input type="checkbox"/> PIG1	<input type="checkbox"/> PIG2		
<input checked="" type="checkbox"/> OUT1	<input checked="" type="checkbox"/> OUT2	<input checked="" type="checkbox"/> OUT3	<input checked="" type="checkbox"/> OUT4

Parking Invert LEDs 1 2 3 4 Read iKey encoded number

Base 12 readers: *# arms/disarms *# in no. 1 2 3 4

The controller will by default read the 'unique button id' from any dallas silicon button. You can also choose to read the 'iKey' site code and key number from CS iKey encoded system keys. (Note: Select controller type as 'card' for iKey id's).