

## Connecting the Synergy E2083

### Installation

Mechanical installation and connection of the Synergy E2083 should be carried out before any power is applied. Synergy E2083's should not be used in areas of extreme heat or moisture.

The Synergy E2083 is designed for mounting into a standard UK back box with a minimum depth of 40mm. If possible a 47mm deep box is preferred.

### Local Connections

All connections are by plug in screw terminals connectors.

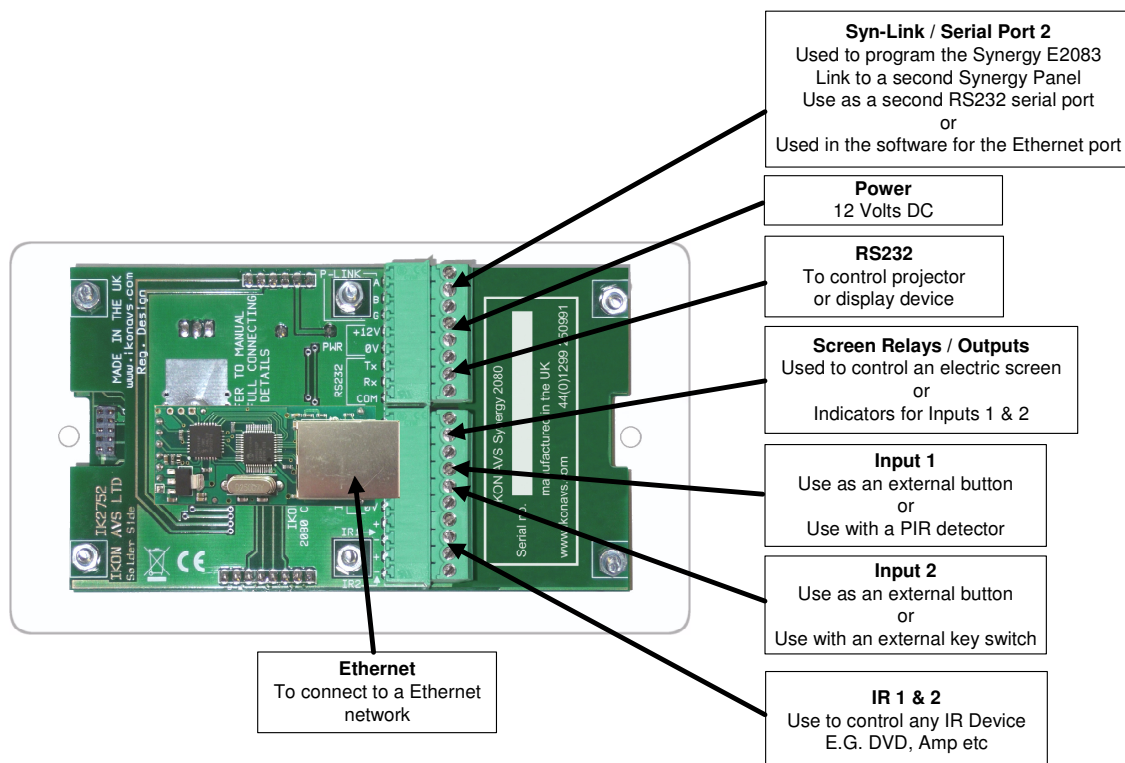
**Important:** Please verify polarity of the DC power supply before powering.

### Ethernet

The Synergy E2083 is programmed in the Synergy Editor software. Select version Synergy 2082 in the software when starting a new program. To allow the E2083 to be controlled via the Ethernet port, select the "Syn-Link" tab on the left hand side of the editor window, then select the "Link via serial 2" button.

You can then add RS232 commands into the Synergy E2083 program that will control or be sent out by the Synergy E2083 via the Ethernet port.

The Synlink Port is used to program the Synergy E2083, It can also be used as a second RS232 port. If the Ethernet port is to be used, the Syn-Link port can only be used to program the Synergy E2083, as the port is used in the software for linking to the Ethernet port.



Please see rear for connection details.

## Connections

### Syn-Link / Serial Port 2

Syn-Link	Computer Serial Port	Second Synergy Panel	AU4	2 <sup>nd</sup> RS232 Serial Port
A	Pin 2	B	Rx	Tx
B	Pin 3	A	Tx	Rx
G	Pin 5	G	Com	Com

### Power

Synergy E2083	DC PSU
+12V	+Volts
0V	0Volts

### RS232

Synergy E2083	Projector or Display Device
Tx	Rx
Rx	Tx
Com	Com or Ground

### Screen Relays

Synergy E2083	SPC-PP1	Indicators
RAISE	RAISE	0 Volts for Input 1
LOWER	LOWER	0 Volts for Input 2
+V	+V	12 Volts for Inputs 1 & 2

#### Please note:

Screen Relays Connection are to be connected to external relays for control of an electric screen, like the SPC-PP1 unit. **Do not connect these connections directly to the electric screen.**

### Inputs

Synergy E2083	Input 1	Input 2
IN.1	IN.1	IN.2
0V	0V	0V

#### Please note:

Inputs 1 & 2 are for external switches, key switches and PIR Detectors relay outputs. **Do not connect any voltages to these inputs.**

### IR Outputs

Synergy E2083	IR1	IR2	IR Emitter
+	+	+	+
-	-	-	-

### Ethernet

RJ45 connection to link into a LAN / WAN Network