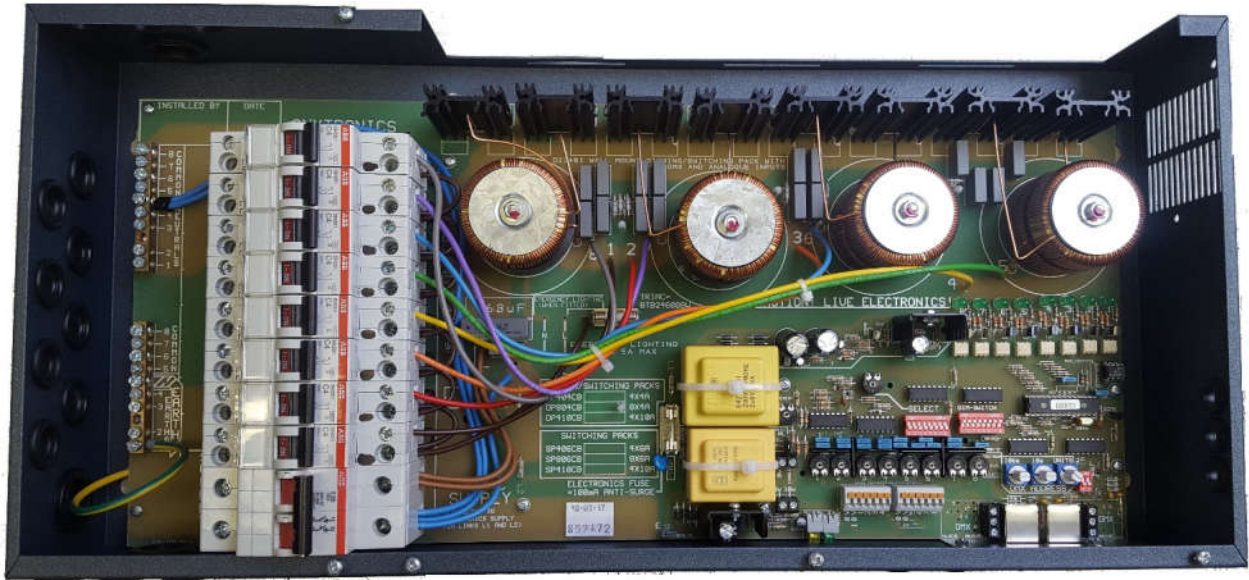


Installation Guide for Anytronics CB Series Dimming Packs

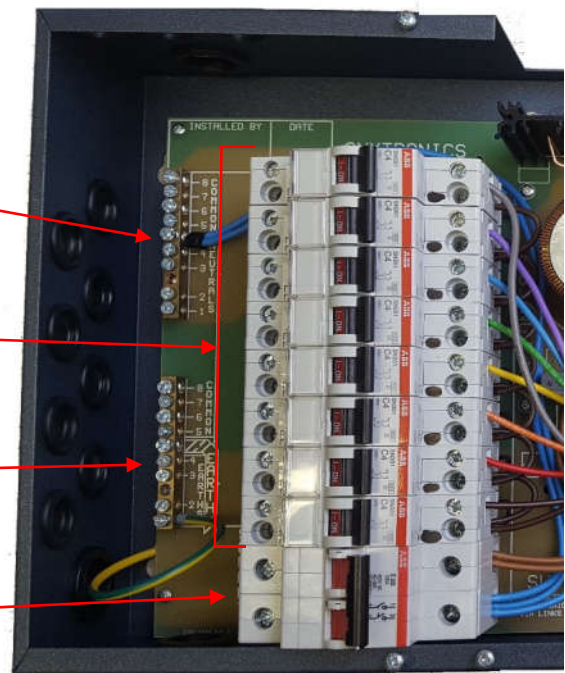
This equipment should only be installed by competent electricians, the responsibility for safe and correct installation of the system rests with the installer and these notes are intended only for guidance.



1. Remove the two covers and attach the dimming pack to the wall using the internal fixing locations. (See the dimension diagram on page 6 for fixing locations) Ensure a 125-mm gap is provided around all sides of the pack for ventilation.
2. Connect the supply, lighting circuits and earth as detailed below.

THE SUPPLY CABLING AND PROTECTION MUST BE RATED FOR THE TOTAL EXPECTED LOADS ACROSS ALL CHANNELS

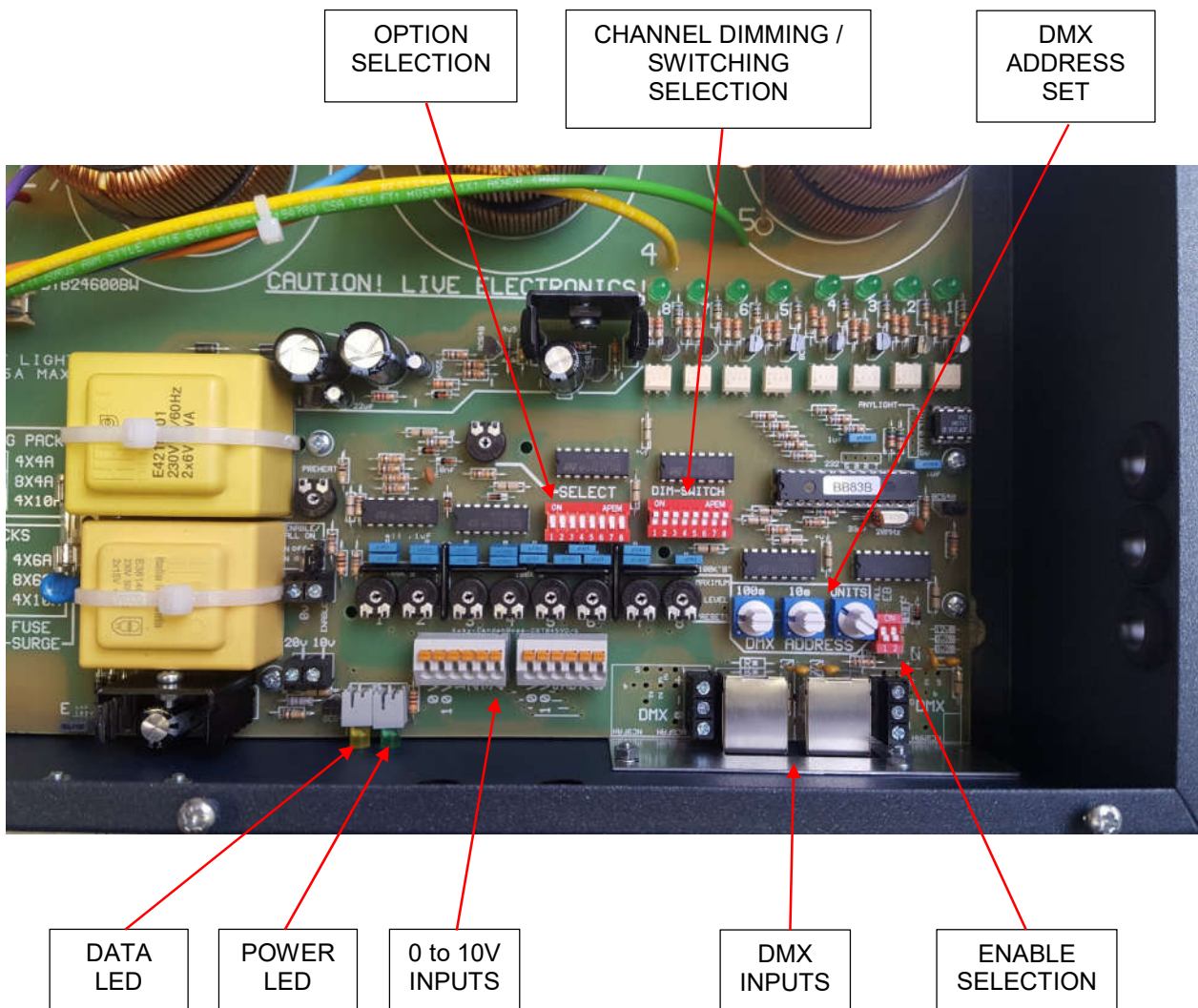
- NEUTRAL BUS-BAR FOR OUTPUTS
- DIMMING OUTPUTS
(Quantity will depend on the dimming pack)
- EARTH BUS-BAR
- LIVE & NEUTRAL SUPPLY ISOLATOR



- Ensure the earth loop impedance of the connected circuits are within the following ranges to achieve a 5 second disconnection time.

C4 MCB = 8.8 ohms
 C10 MCB = 3.5 ohms

NOTE: When performing tests on the fixed installation the dimming pack **MUST** be removed from the circuit to prevent permanent damage.



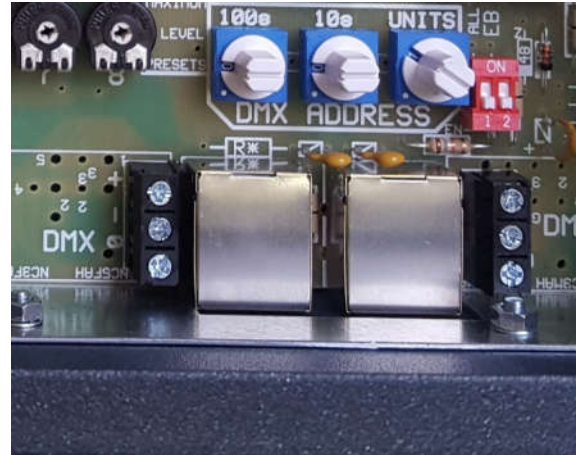
- Each channel of the pack should now be set to dimming or switch using the DIP switches provided. **NOTE:** ON is for dimming and OFF is for switching.

- The control source shall then be connected to the dimming and set-up accordingly.

DMX Control

The DMX source should be connected using RJ45, XLR or the screw terminals provided.

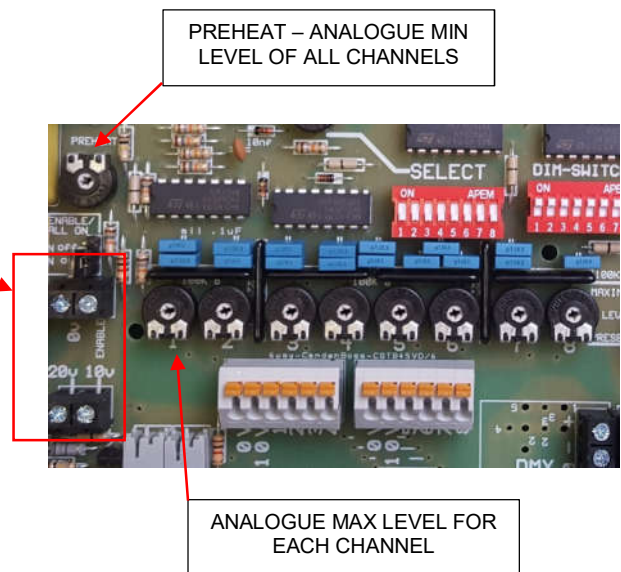
The DMX address should be set using the 3 dials shown in the picture on the right.



0 to 10V Analogue Control

The 0 to 10V control signals should be connected to the terminals shown in the picture on the right.

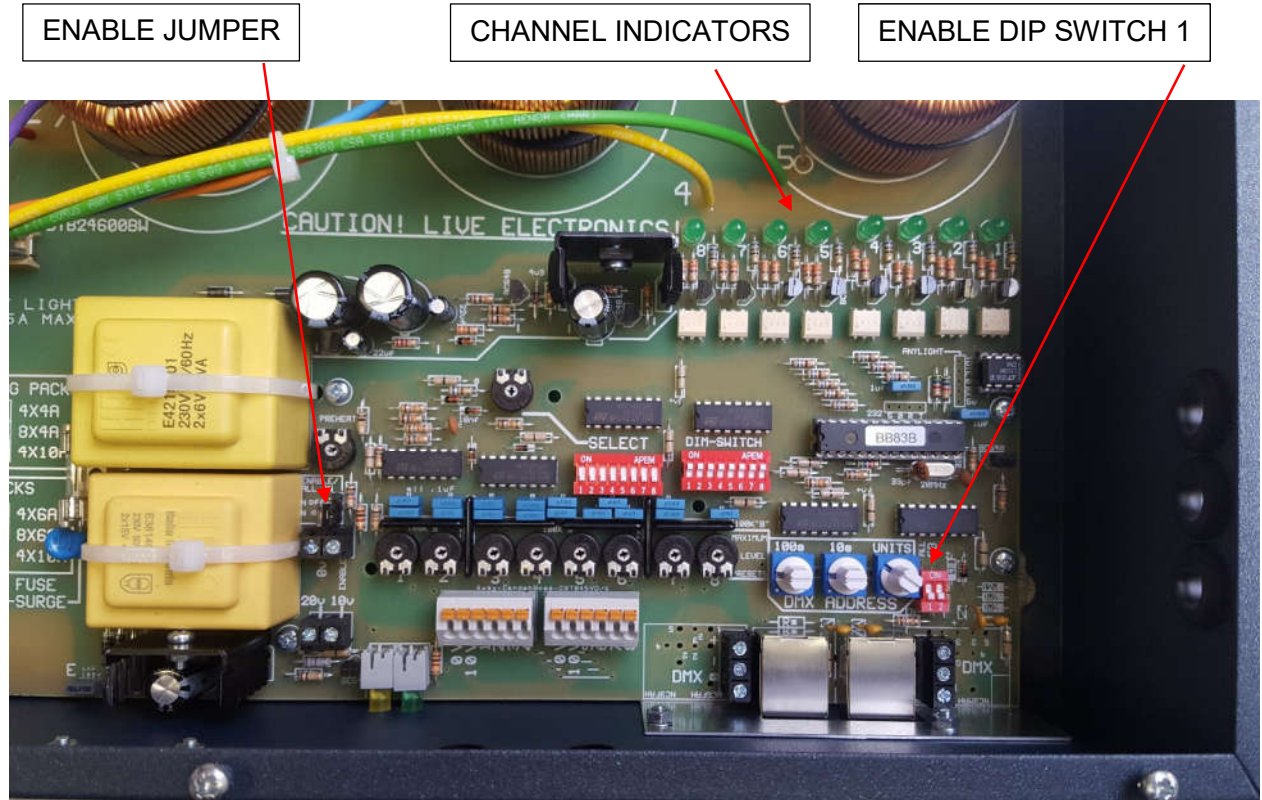
Note the 0V and 10V supply terminals provided to supply power to the external equipment.



The dimming pack also provides a preheat to adjust the minimum level of **ALL** analogue channels.

Individual control of the maximum level for each channel is also provided.

6. Each dimming channel should now be checked for correct operation, however if the control equipment is not available the pack does contain local control of the outputs as follows,



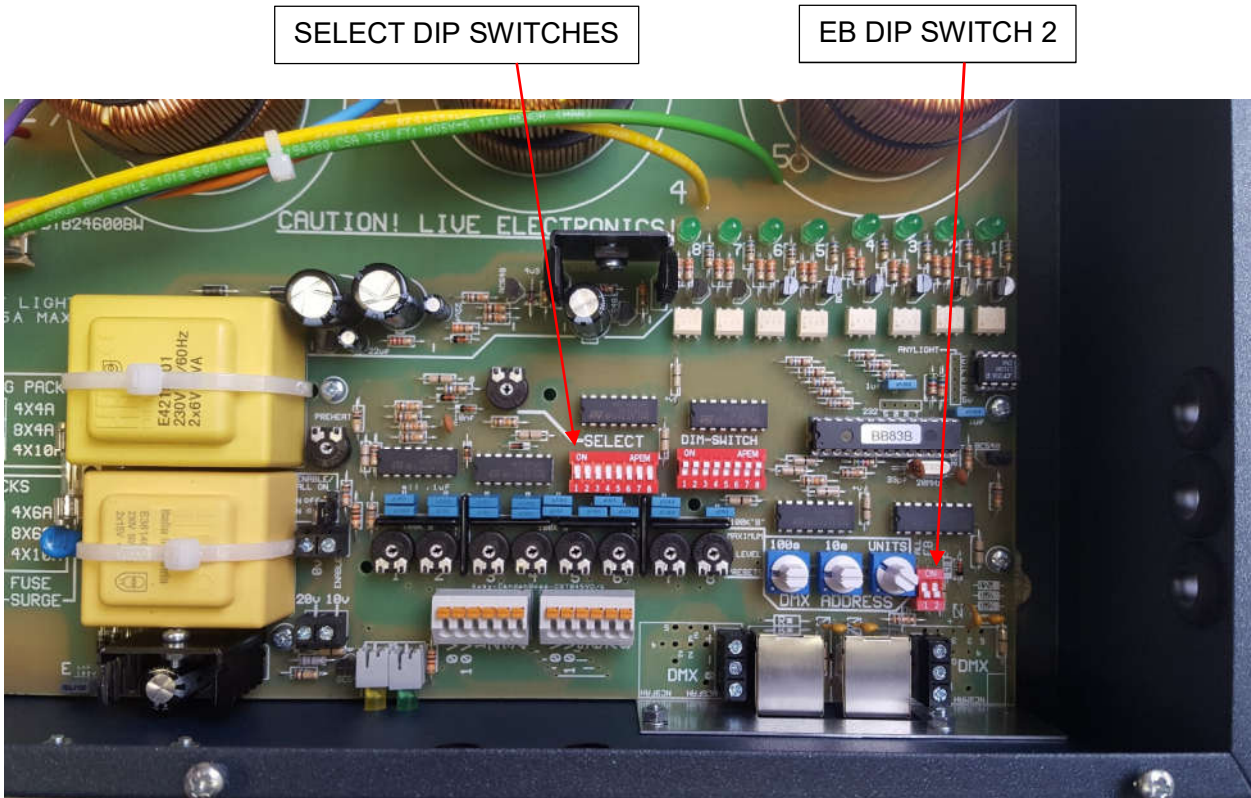
Referencing the picture above, ensure the enable jumper is across the lower pins of the 3-pin header and turn DIP switch 1 ON to turn all outputs fully on.

Alternative the DMX Address pots can be used to turn the outputs on as follows,

DMX Address 950 = All Channels 100%
 DMX Address 901 = Channel 1 100%
 DMX Address 90x = Channel x 100%

DMX Address 801 = Channel 1 50%
 DMX Address 80x = Channel x 50%

- The pack also contains optional features that can be set depending on the application and the loads being used.



The EB DIP switch is provided to provide different characteristics whilst using electronic ballast. If when using these ballast the lighting is unstable enabling this DIP switch can correct some issues.

The SELECT DIP Switches provide the following functionality and should be turn ON to enable,

DIP SWITCH	FUNCTION
1	Remove DMX Filtering
2	Min DMX level increased from 13 to 24
3	Min DMX level can be adjusted using PREHEAT pot
4	Not used
5	Outputs go to 100% 10 s after the loss of the DMX
6	Increase options 5 & 7 to a 20-minute delay
7	Outputs go to 0% 10 s after the loss of the DMX
8	Limit adjustments to one channel per second

- The details of each circuit connected to the dimming pack should be clearly marked on in the spaces provided on the case. These should correspond to the relevant MCB and provide obvious information about the circuit location.

