

# FRONT COVER



## Installation Manual ESWA4500C Multi-Source Volume Control Module



This Keypad Volume Control Module has been designed to work with intelligent EATON A-BUS Multi-Source Hubs using standard A-BUS commands. It will operate with other single source and multi-source hubs, however, some functionality such as source selection maybe not be available. These functions can be accessed with a remote control handset containing the correct codes.

*Note:* For comprehensive instructions please also refer to the instructions supplied with your EATON A-BUS multi-source hub.

### Control functions [1] [2] [3]

**System ON** - The EATON A-BUS system will activate if any function button is pressed.

**Input Selection [1]** - The system will restart on the last source selected. One of the four input LEDs [5] will indicate which input has been selected. The input can be changed by pressing left or right buttons [1].

**Volume Level [2]** - If the system has been switched off the Volume Control will restart at low volume level. If the system has remained active the Volume Control will return to the previously selected volume level. The level may be adjusted by pressing the Up/Down buttons [2]. While the level is being adjusted, the input LEDs [5] will ripple left or right.

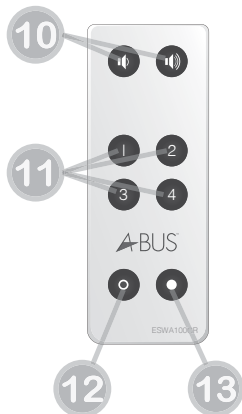
**Remote Control [4]** - The Volume Control may be operated by remote control. The IR remote must have clear line-of-site to the IR Receiver. The Volume Control can also relay IR remote control commands to the hub and connected source components. It will repeat standard 38 kHz commands and 56 kHz commands which are often used in satellite receivers. You may experience difficulty with some remote control commands on some components. The operating range can be affected by sunlight and some lighting systems.

**Off and All Off [3]** - A Volume Control can be switched off individually by pressing the off button, this will turn off the backlighting to the volume control [2] and input selection buttons [1]. The backlighting of the off [3] and input indicator will [5] remain on. If there are other Volume Control's connected to the same zone their status will not be affected. If the off button [3] is pressed for more than three seconds the whole A-BUS system will turn off. When the system is off the infrared relay system will remain active.

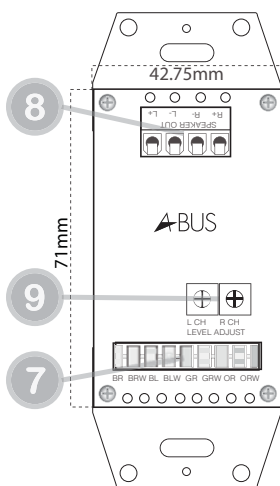
**Backlight adjustment [6]** - The backlighting level of the function buttons [1] [2] [3] can be adjusted to individual requirements.

# BACK COVER

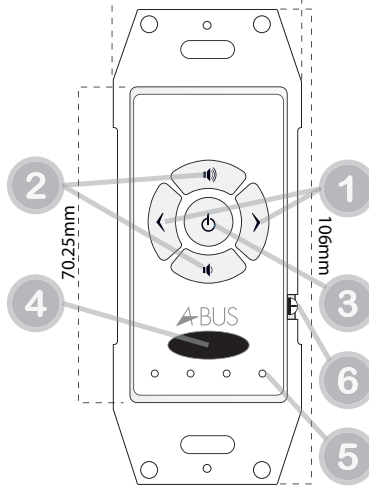
ESWA100CR REMOTE CONTROL  
SUPPLIED



BACK



FRONT  
42mm



PUNCHDOWN VERSION SHOWN

## Installation

It is recommended that your EATON Volume Control is installed by a qualified installer to ensure that the installation is carried out correctly and it complies with all relevant installation regulations. The Volume Control should not be installed next to or in the same box as high voltage devices. The Volume Control is connected to the hub via a single category 5 cable, it is recommended that it should not be run parallel or close to high voltage cables or data cables, etc. The EATON Volume Control is designed to fit into a single Gang bracket. The category 5 cable from the hub should be properly connected to either the 110 punchdown [7], using a proper installation tool. It is recommended that the category 5 cable length be no longer than 100ft. (30M), longer runs may induce noise and reduce sound quality. The speaker cable terminal [8] will accept up to 14 gauge cable.

Set-up [9] - The A-BUS installation should be completed with all power modules connected but not installed into the walls. Follow these steps to give you maximum control flexibility over the volume of your A-BUS system. On the back of the power modules there are trim pots (Left & Right) [9] that fine-tune the output level to compensate for the length of the cable run, the efficiency of the speakers and the size of the room. There are also situations where you may want to limit the output level in a particular room. With the trim pots adjusted to minimum, the main volume control should be adjusted to maximum level, then with popular music playing the trim pots should be brought up to a point just below the amplifier's clipping level. (Clipping is the point where the sound starts to distort). When the trim pots are all set to the desired level the installation may be completed.

### Mini Remote Control Handset ESWA100CR

The mini remote control handset supplied contains basic A-BUS remote control commands, volume Up/Down [10] up to 4 individual input selections [11] Off [12] and All Off (Global) [13]. In good conditions this handset should have an operating range of up to 70ft. (20M), in poor conditions such as bright sunlight it maybe less than 15ft. (5M).

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