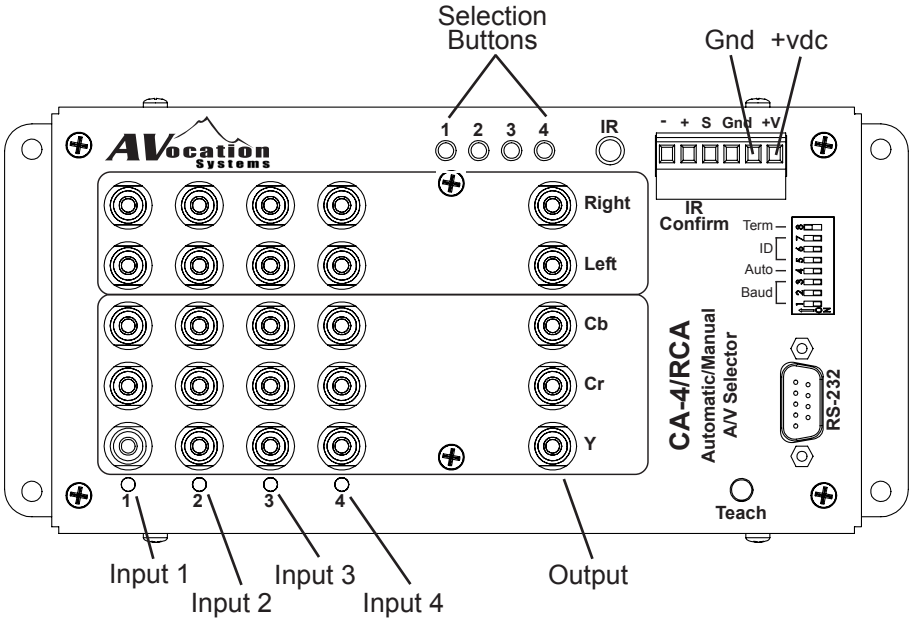
CA-4 Instructions

Power Connections

The CA-4 requires 9-24vdc at 100ma in continuous operation.
The startup current draw is 800ma for 50 milliseconds so your power supply must be able to supply that initial current rush. Most wall transformer supplies are able to supply the current required. Some regulated supplies may limit the inrush current well and may not work unless they are rated above 800ma continuous duty.

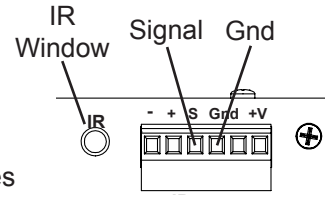


CA-4 ID

The CA-4 has an ID code which allows up to 8 units to operate together. The unit ID code is set by the same bank of switches as the baud rate. The following shows the switch setting for these codes. The ID code is used in both IR commands and serial commands. Factory default is Unit ID 0.

Operating via Infrared Control

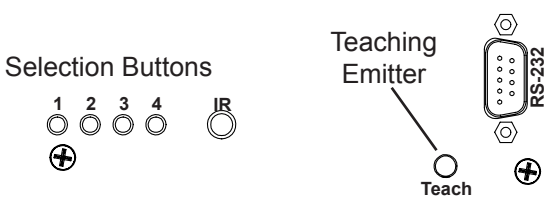
The CA-4 can be controlled via IR remote signals. The unit has two methods of receiving IR coommands. The IR window will receive codes directly from a remote or through an emitter on an IR repeater system. The connection through the terminal block allows the CA-4 to be hardwired into the IR repeater system. The CA-4 will operate on any repeater system that is based on 0vdc for no IR signal and +5 to +12vdc for an active IR signal. The CA-4 infrared commands operate at 38KHz.



When an IR code is being received through either method, the IR confirm LED will blink

Teaching IR Commands

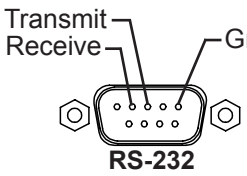
The CA-4 is capable of teaching it's 38KHz IR control codes to most models of learning remotes and controllers. The teaching emitter will output the code for an input selection when a source selection button is pressed on the unit.

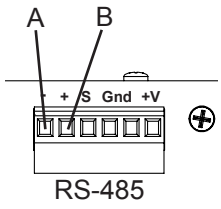


Serial Connections

The CA-4 can be controlled via RS-232 or RS-485.
The RS-232 port is the 9-pin D-Sub connector.
RS-485 is connected to the - (A) and + (B) positions on the terminal block.

Baud rate is adjustable from 1200 to 115200 baud 8 bits, no parity and 1 stop bit.





Serial Commands

The following is a master list of commands the CA-4 will recognize. Each will be described in detail in the following pages. Please see the notes at the end of the list for a description of the variables in each command.

Switching Command

ASiBn<CR>	
Select an input	AS0B2<CR>
i = Unit ID 0-7	Selects input 2
n = Input to select 1-4	
Response: ASi-A/V input = n<CR>"	

Status Command

ASiSn<CR>	
Request current status of unit	AS0S<CR>
i = Unit ID 0-7	Request status
Response: ASi-A/V input = n<CR>"	

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