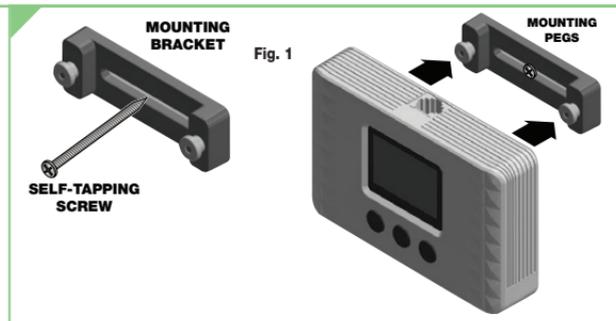


## Section 1 - Mounting to Structure

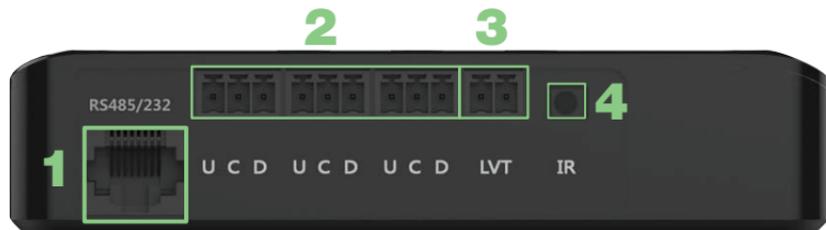
1. Determine mounting location of AV Gateway and mark on wall or ceiling.
2. Locate Mounting Bracket and provided mounting hardware (see Fig. 1).
3. Line up mounting holes on the back of AV Gateway with mounting pegs on mounting bracket.



## Section 2 - 3rd Party Component Integration Methods

*The AV Gateway allows various 3rd party control components to integrate with an IntelliFlex I/O network. The integration methods supported are:*

1. RS-485/RS-232 serial communication
2. Contact Closure
3. Low Voltage Control
4. IR



By default, all inputs will control every shade in the network.

To limit the operation to select groups of shades use the procedures in the following sections.

## Section 3 - RS-232 and RS-485 Serial Control

1. Select **SERIAL GROUPS** from **MAIN MENU**.
2. Select **SET GROUPS**.
3. There are up to 32 groups that can be set. **SELECT THE GROUP NUMBER** to configure from the list.
4. After initializing, one shade will begin to identify. **SELECT ADD** to assign that shade to the group, or, **SKIP** to move on to next shade. Once all shades have been added to the group **SELECT DONE**.

**Please Note:** If at least one group of shades was previously assigned to any device in the network, then those existing groups will first identify to simplify the process of reusing them. Just like the individual shades, **SELECT ADD** to use the group or **SKIP** to move on to the next group.

If all existing groups are skipped, individual shades will identify so a new group can be created.

**Serial interface uses a ASCII protocol for communication as described below:**

START	GROUP	COMMAND	END
1 Char	2 Chars	1-3 Chars	1 Char
<b>G</b>	<b>XX</b>	<b>Y-YYY</b>	<b>!</b>
<b>XX</b> = The Group Number to command from 01 to 32. This must be a two digit number; 0 must precede any single digit number. <b>Y-YYY</b> = Shade command from the following table			

SERIAL SETTINGS	
BAUD RATE	9600
DATA BITS	8
STOP BITS	1
POLARITY	NONE

PIN	FUNCTION
1	RS485 B (+)
2	RS485 A (-)
3	RS232 TX
4	RS232 GND
5	RS232 GND
6	RS232 RX
7	RS485 GND
8	RS485 GND

SHADE COMMAND	ACTION
<b>O</b>	Fully Open
<b>C</b>	Fully Close
<b>S</b>	Stop
<b>P</b>	Previous Stop
<b>N</b>	Next Stop
<b>O-100</b>	Move to percentage

EXAMPLES:	
COMMAND	ACTION
<b>G01O!</b>	Move motor group 1 fully open.
<b>G0486!</b>	Move motor group 4 to 86% closed.
<b>G15S!</b>	Stop motor group 15.

## Section 4 - Contact Closure Control

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1. Select **CONTACT CLOSURE** from **MAIN MENU**.
2. There are 3 sets of contact closures on the AV Gateway. **SELECT THE GROUP** to configure from the list.
3. After initializing, one shade will begin to identify.
4. **SELECT ADD** to assign that shade to the group, or **SKIP** to move on to the next shade.
5. Once all shades have been added to the group **SELECT DONE**.

**Please Note:** If at least one group of shades was previously assigned to any device in the network, then those existing groups will first identify to simplify the process of reusing them.

Just like the individual shades, **SELECT ADD** to use the group or **SKIP** to move on to the next group. If all existing groups are skipped, individual shades will identify so a new group can be created.

**CLOSING THE UP CONTACT** will move shade group open.  
**CLOSING THE DOWN CONTACT** will move shade down.  
**CLOSING BOTH CONTACTS** will stop the shade.

## Section 5 - IR Control

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1. **SELECT IR INPUT** from **MAIN MENU**.
2. **SELECT SET GROUP**
3. After initializing, one shade will begin to identify.
4. **SELECT ADD** to assign that shade to the group, or **SKIP** to move on to the next shade.
5. Once all shades have been added to the group **SELECT DONE**.

**Please Note:** If at least one group of shades was previously assigned to any device in the network, then those existing groups will first identify to simplify the process of reusing them.

Just like individual shades, **SELECT ADD** to use the group or **SKIP** to move on to the next group. If all existing groups are skipped, individual shades will identify so a new group can be created.

The group can now be controlled using the **UP**, **DOWN** and **STOP BUTTONS** on IR remote.

## Section 6 - Low Voltage Control

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1. Select **LOW VOLTAGE** from **MAIN MENU**.
2. Select **SET GROUP**.
3. After initializing, one shade will begin to identify.
4. **SELECT ADD** to assign that shade to the group, or **SKIP** to move on to the next shade.
5. Once all shades have been added to the group **SELECT DONE**.

**Please Note:** If at least one group of shades was previously assigned to any device in the network, then those existing groups will first identify to simplify the process of reusing them.

6. Just like individual shades, **SELECT ADD** to use the group or **SKIP** to move on to the next group.  
If all existing groups are skipped, the individual shades will identify so a new group can be created.  
Applying a 5-24VDC signal to the low voltage input terminal will move shade group closed.
7. Once the signal is removed, shades will move open.