



## Tally Input Module (GA13)

If a Tally Input Module is fitted this will have a 9pin Dsub connector fitted to the back panel. This can be configured in several ways to deal with different style tally signals.

The tally input pins do not change.

- Pin 1 Tally 1 input
- Pin 2 Tally 2 input
- Pin 3 Tally 3 input
- Pin 4 Tally 4 input
- Pin 5 Tally 5 input
- Pin 6 Tally 6 input
- Pin 7 Tally 7 input
- Pin 8 Tally 8 input
- Pin 9 Ground

All 8 inputs have a 47k resistor as pull down/up according to SW1.3 and SW1.4 located on the PCB behind the Dsub connector.

Maximum input voltage 15v DC.

To set input mode and polarity, use switch 4 way DIP switch - SW1.

SW1.1	ON	OFF	Use with latched sources Use with momentary switching
SW1.2	ON	OFF	Normal input state (high = on) Invert input state (low = on)
SW1.3	ON	OFF	Inputs have weak pull down (ground applied) No pull down
SW1.4	ON	OFF	Inputs have weak pull up (volts applied) No pull up

**Note: never set SW1.3 and SW1.4 on at the same time.**

### Examples #1:

When connecting to GPIO ports that pull to ground for active, set

SW1.1 OFF  
SW1.2 ON  
SW1.3 OFF  
SW1.4 ON

### Example #2:

When connecting to GPIO ports that apply volts for active, set

SW1.1 OFF  
SW1.2 OFF  
SW1.3 ON  
SW1.4 OFF

### Notes:

The inputs are continually scanned and tally commands are only sent with a change of state on the input. Tally states may be changed by other means but GA13 will over-write any individual tally state upon a change of its inputs. Tally inputs cannot be switched off. Input scan is inhibited during startup. No interrogation of head/camera tally state is done.

### Testing:

The inputs can be tested by setting GA13 as in Example #1 above and connecting pin9 (GND) to any of the other pins. Connecting to pin 9 should cause the tally for that head to illuminate. Disconnecting will cause the tally to extinguish.