

inline Current Source 2.0

Built-in Current Regulation

- ∠ii) Fast response time - 30µS gating time
- ≠ii) Wash down version available
- 0 100%Intensity Control with optional MP-iCS

For lights purchased with the iCS prior to March 1, 2012, **CLICK HERE**

Ai's inline current source (iCS) provides optimum current drive to a light head assembly, replacing external current driver units. Intensity control is accessible via a wire which accepts a 0-10VDC voltage. This adjusts the controller between 0%-100%.

An optional accessory (PN: MP-iCS) can be purchased to provide manual intensity control via an external potentiometer.

A DC gate control input is available allowing users to enable/disable the iCS output, thereby turning the light on and off.

The iCS unit employs reverse input polarity protection.

Wire Color Code: Input power: Brown + / Blue -

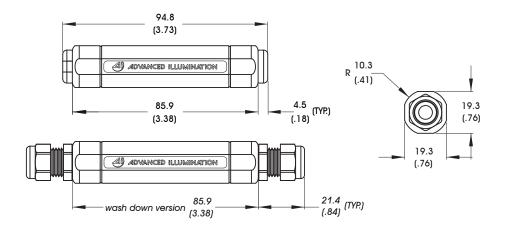
4.2v Output OFF Gate Active HIGH: Black Output ON _ Gate Active LOW: White Output ON _

Analog 0-10V: White 0V=0%, 10V=100%

Note: Can also be used as an active LOW gate input

click for: **SPECIFICATIONS PINOUT** CONNECTION DIAGRAM WIRING DIAGRAMS 3-IN-I DIMMING

Dimensional Information



The iCS is not detachable. Standard location is 10" from the light head. Standard cable length (including iCS) is 1.5M (59")

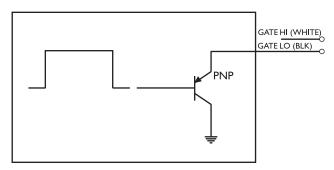
ICS SPECIFICATIONS

Parameter	Specification	
Input Voltage Range	+21 to 30 volts dc (24V nom)	
Maximum Input Current	2.0 A	
Gating Control Active High (GHI) and Active Low	GHI Turn On Voltage = 4.2v / Input Tolerant to -10 to +24 vdc Analog 0-10V: White 0V =0%, 10V=100%. Note: Can also be used as an active LOW gate input	
Gating Time	30μs +/- 10μs	
Storage Temperature	-40 to +125C	
Operating Temperature 0 to +70C		
Housing Material	ial High Impact Polycarbonate	
Weight	Approx 1.7 oz (cable not included)	
Size Wash Down Version	Approx 3.74L x 0.76W x 0.76H (in.) Approx 5.06L x 0.76W x 0.76H (in.)	

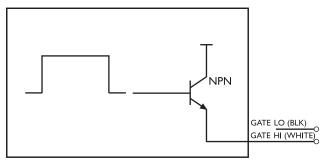
ICS PINOUT

COLOR	FUNCTION
BROWN	Vin (+)
BLUE	GND (-)
WHITE	CTRL
BLACK	GATE
GRAY	Chassis GND

ICS CONNECTION DIAGRAM



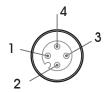
PNP -- Sinking Output



NPN -- Sourcing Output

M12 (OPTIONAL CONNECTOR) PINOUT

1	BROWN	+24V IN
2	WHITE	GHI
3	BLUE	-24V IN
4	BLACK	GLO

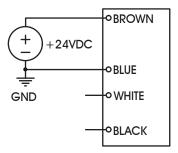


Ai lights are built with the male connector standard.

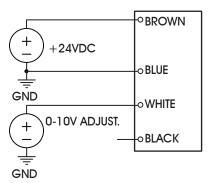
Female receptacle shown.

WIRING DIAGRAMS

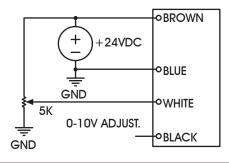
STANDARD OPERATION LIGHT IS ALWAYS ON



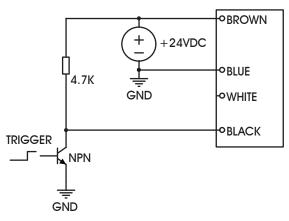
0-10V ANALOG CONTROL LINEAR OUTPUT ADJUST



0-10V ANALOG CONTROL LINEAR OUTPUT ADJUST WITH EXTERNAL POTENTIOMETER



ACTIVE LOW GATE LOW TRIGGER SHUTS LIGHT OFF



ACTIVE HIGH GATE HIGH TRIGGER SHUTS LIGHT OFF

