5 V Analog input / 0V to +5V (Con A)

	Color	Description	Channel
1	-	Screen	-
2	-	-	-
3	Black	0 Volts	-
4	Red	5V Supply	-
5	SD	Signal 0V to +5V	Analog 1
6	SD	Signal 0V to +5V	Analog 2
7	SD	Signal 0V to +5V	Analog 3
8	-	-	-

5 V Analog input / 0V to +5V (Con B)

	Color	Description	Channel
1	-	Screen	-
2	-	-	-
3	Black	0 Volts	-
4	Red	5V Supply	-
5	SD	Signal 0V to +5V	Analog 4
6	SD	Signal 0V to +5V	Analog 5
7	SD	Signal 0V to +5V	Analog 6
8	-	-	-

SD = Sensor depensdent

0 Volt to 5 Volt sensors can be wired into either Terminal A or Terminal B. If you plug a 0 - 5 Volt analog input into Terminal 1 then the analog channels will be 1, 2 & 3, if connected to Terminal 2 then they will be channels 4, 5 & 6.

Masthead unit

	Color	Description
1	-	Screen
2	Orange	12V Supply
3	Black	0 Volts
4	-	-
5	Blue	Wind angle Phase
6	Green	Wind angle Phase
7	Red	Wind angle Phase
8	Violet	Wind speed

Paddlewheel sensor

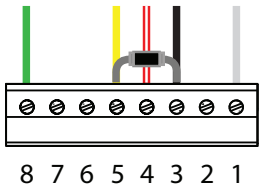
	Color	Description
1	-	Screen
2	-	-
3	Black	0 Volts
4	Red	5V Supply
5	-	-
6	-	-
7	-	-
8	Green	Speed

Paddlewheel & Sea temp

	Color	Description
1	-	Screen
2	-	-
3	Black	0 Volts
4	Red & White	5V Supply
5	Yellow	Sea Temperature
6	-	-
7	-	-
8	Green	Speed

Paddle & Sea temp connector

10 K ohm resistor required between terminal 3 & 5



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B&G

Analog Module Install Guide

ENGLISH

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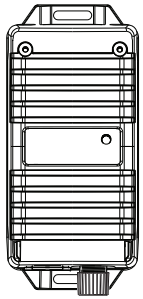
Installation

1: Find a suitable location for the module.

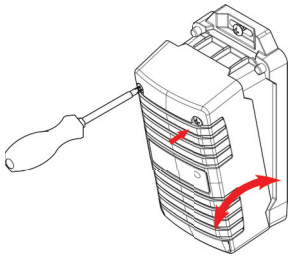
Mount the module vertically. Ensure that there is at least 100 mm clearance between the connector and grommet and any surface to enable easy access to cables



2: Mark the hole positions, drill pilot holes and fix into position with two self tapping screws

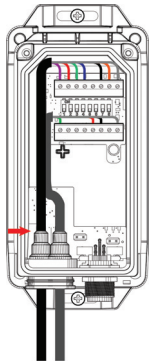
3: To remove the lid, unscrew the two lid screws.

Note: The lid hinges at the bottom edge of the module. To close the lid you need to locate the bottom edge first.



4: Cut the grommet indicated to a length that creates a tight fit for the cable to be fed. Feed the cable through and wire into the module plug.

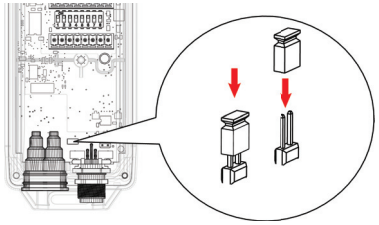
Ensure the cables are positioned to the left of the center pillar and the plug can reach the connectors without placing tension on the wires.



Module jumpers

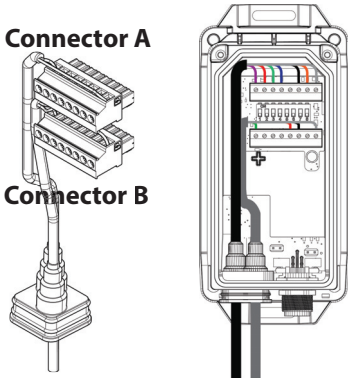
If a sensor or combination of sensors connected to an Analog Module draw more than 300 mA current total, then a terminal link must be placed onto both jumpers located above the network connector inside the module as shown below. This bypasses the isolated power supply within the module.

Note: Do not bypass the isolated power supply unless necessary

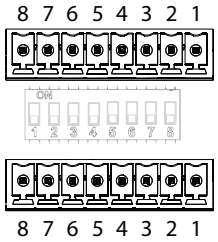


Wiring

Below is an example of how to wire an Analog Module with a masthead unit and paddle wheel sensor.



Connector A		Connector B	
Masthead Unit		Paddlewheel Sensor	
1	Screen	1	Screen
2	Orange	2	-
3	Black	3	Black
4	-	4	Red
5	Blue	5	-
6	Green	6	-
7	Red	7	-
8	Violet	8	Green



Terminal A & B	Connector
1	Screen
2	12 V
3	0 V
4	5 V
5	0 - 5 V input
6	0 - 5 V input
7	0 - 5 V input
8	Pulse 1