



CRITICAL SAFETY INFORMATION

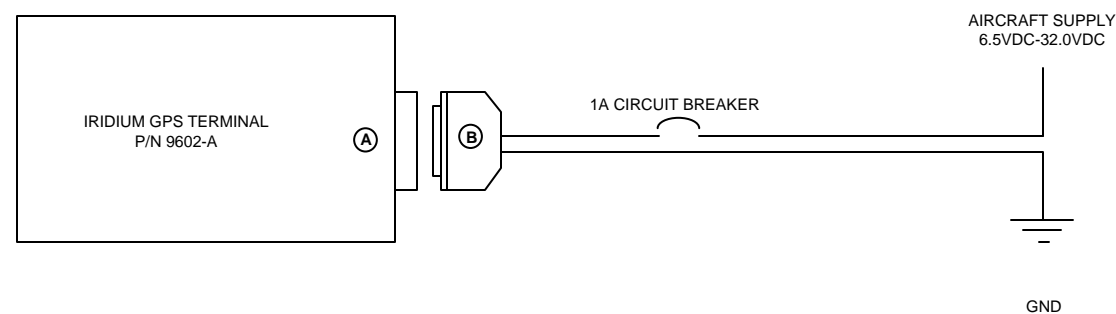
The 9602-A accepts either +3.6VDC to +5.5VDC input through Pin 1 or +6.5VDC to +32.0VDC input through Pin 9.

The 9602-A is shipped with hardware set for +3.6VDC to +5.5VDC input. It **MUST** be changed to +6.5VDC to +32.0VDC input through an internal jumper if it is to be used with a vehicle supply.

POWER MUST BE DISCONNECTED BEFORE RESETING THE JUMPER. The jumper can be found by removing the modem's top plate. With the 9602-A held in the position shown above (DB15 connector to the right), the 9602-A is set for 3.6VDC to +5.5VDC when the red jumper is on the middle and bottom pins and is set for +6.5VDC to +32VDC when the jumper is on the middle and top pins. Each pin is also labeled with 5V and 32V to the left of the top and bottom pins, respectively.

Both the power pins on the multi-interface connector and their corresponding voltage settings on the jumper must be used for the unit to power up properly.

NOTE: DO NOT APPLY VOLTAGE higher than 5.5VDC on pin 1 (or accidentally swap voltage between pins 1 and 9). The 9602-A will be damaged beyond repair with warranty voided.



9602-A	
(A)	DB15 MALE
EXT_PWR (3.6VDC to 5.55VDC)	1
EXT_GND	2
TX1	3
RX1	4
Signal Ground	5
EMERGENCY	6
TTL	7
TTL	8
EXT_PWR (6.5VDC to 32.0VDC)	9
RX2	10
TX2	11
TEST	12
TTL	13
TTL	14
TTL	15

INSTALLER FABRICATED CABLE	
(B)	DB15 FEMALE
Not connected (DO NOT CONNECT)	1
DC POWER (GND)	2
Not connected	3
Not connected	4
FUTURE USE	5
FUTURE USE	6
Not connected	7
Not connected	8
DC POWER (+)	9
Not connected	10
Not connected	11
FUTURE USE	12
FUTURE USE	13
FUTURE USE	14
Not connected	15

TITLE	
WIRING DIAGRAM 9602-A WITH INTEGRATED ANTENNA	
DRAWN BY	SCALE
CHRIS HINCH	NO SCALE
DATE	REVISED
9 July 2012	9 July 2012

1. Power sources must have 1A circuit breakers.
2. Switch and sensor inputs (FUTURE USE) are not internally debounced. Input switches or sensors must be externally debounced and switch between open circuit and Signal Ground.

WARNING: NO VOLTAGE IS TO BE APPLIED TO SWITCH AND SENSOR INPUTS. APPLYING VOLTAGE TO SWITCH AND SENSOR INPUTS WILL RESULT IN DEVICE FAILURE AND VOID YOUR WARRANTY.

3. Aircraft installation must be performed by an appropriately licensed aircraft engineer with reference to the requirements of all applicable installation regulations, instructions and guidelines.
4. All pinout diagrams are as viewed into the exposed end of the plug or socket.
5. Aircraft power to all equipment should be provided from MAIN BUS, ACCESSORY POWER or AVIONICS MASTER as appropriate to operational requirements.