



Blue Sky Network

D1000 - MICRO SWITCH

Document Part# 100221

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NOTICE

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TABLE OF CONTENTS

Notice	2
D1000 Firmware 2.2.04	4
Micro Switch Positions	4
Feature Activation	4
Micro Switch Suggested Implementation – Wiring Diagrams	5
Option 1 – Serial Port Extension Cable	6
Additional Assistance?	7

D1000 FIRMWARE 2.2.04

With D1000 Firmware 2.2.04 there is now the option to implement a sensor or switch that enables automatic Take-Off/Landing or Engage/Disengage collector.

Firmware 2.2.04 is available for download on our support site.

MICRO SWITCH POSITIONS

1. If the switch position is moved from OPEN to CLOSED this will cause the D1000 to send a “Take Off” or “Engage Collector” message to SkyRouter
2. If the switch position is moved from CLOSED to OPEN this will cause the D1000 to send a “Landing” or “Disengage Collector” message to SkyRouter

FEATURE ACTIVATION

To activate the automatic take-off & landing events thru the power switch you will need to send a parameter update from SkyRouter. The value RTLC must be set on Serial Port one.

GPS Position Report Enabled: <input checked="" type="checkbox"/>	Quick Position Reporting Interval (sec): 15	Altitude Based Enabled: <input type="checkbox"/>
Reporting Interval (sec): 120	Count: 1000	Trigger Altitude (ft): 5000
Message Polling Interval (sec): 80000	Serial Port One Enabled: <input type="checkbox"/>	Interval (sec): 300
Min. En-route Altitude Enabled: <input type="checkbox"/>	Data Bits: 8 bits	Perimeter Range Enabled: <input type="checkbox"/>
Altitude (ft): 150	Parity: none	Range (ft): 100
Auto Take-Off/Land Enabled: <input type="checkbox"/>	Baudrate: 19200	Interval (sec): 600
Take-Off Speed (knots): 100	Interval (sec): 300	
Landing Speed (knots): 10	Command: RTLC	



MICRO SWITCH SUGGESTED IMPLEMENTATION – WIRING DIAGRAMS

P/N: 100248

Micro Switch to D1000/D2000 WIRE HARNESS
DB9 (F) - DB9 (M)

CONNECTORS

J1 (DB9s) and J2 (DB9P)

- ITT Cannon DEMAM9S/DEMAM9P or equivalent
- Backshell (ITT Cannon DE44994) or equivalent
- (2) Screw Lock Kits (ITT Cannon D20419-84) or equivalent

WIRING ITEMS

- 1- Solder Sleeve (M83519) or equivalent
- 2- Wire, AWG 22, 2-conductor shielded (M27500-22TE2T14)
- 3- Expandable Sleeving (fire retardant), (SE75PFR) or equivalent

Micro Switch or equivalent

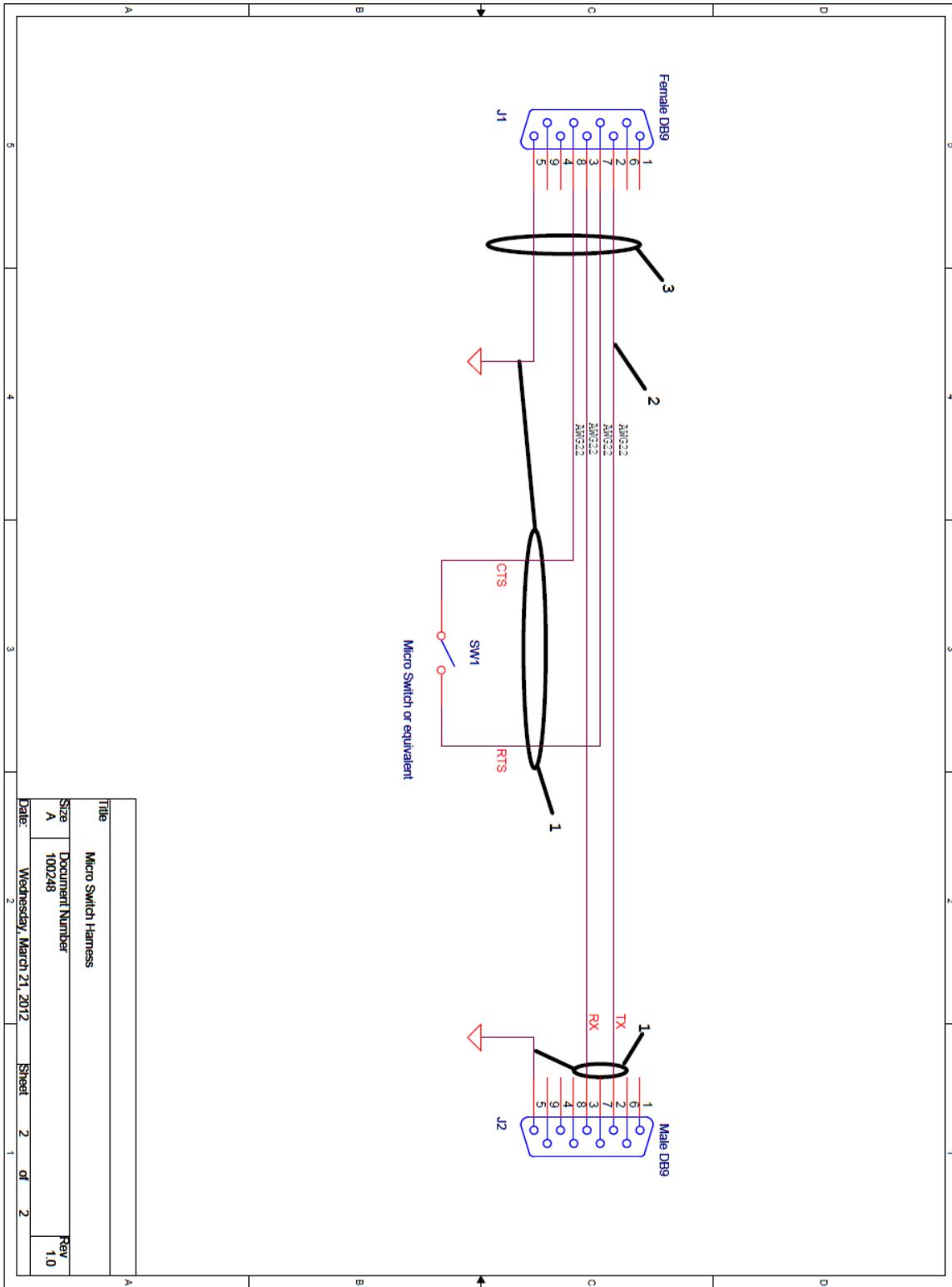
SW1

- ITT Cannon DBMAM25P or equivalent
- Backshell (ITT Cannon DB24659) or equivalent
- Screw Lock Kit (ITT Cannon D20419-84) or equivalent

Title	
BLUE SKY NETWORK LLC	
External Micro Switch Wire Harness	
Size	Rev
A	1.0
Document Number	
100248	
Date: Wednesday, March 21, 2012	
Sheet	1 of 2

OPTION 1 – SERIAL PORT EXTENSION CABLE

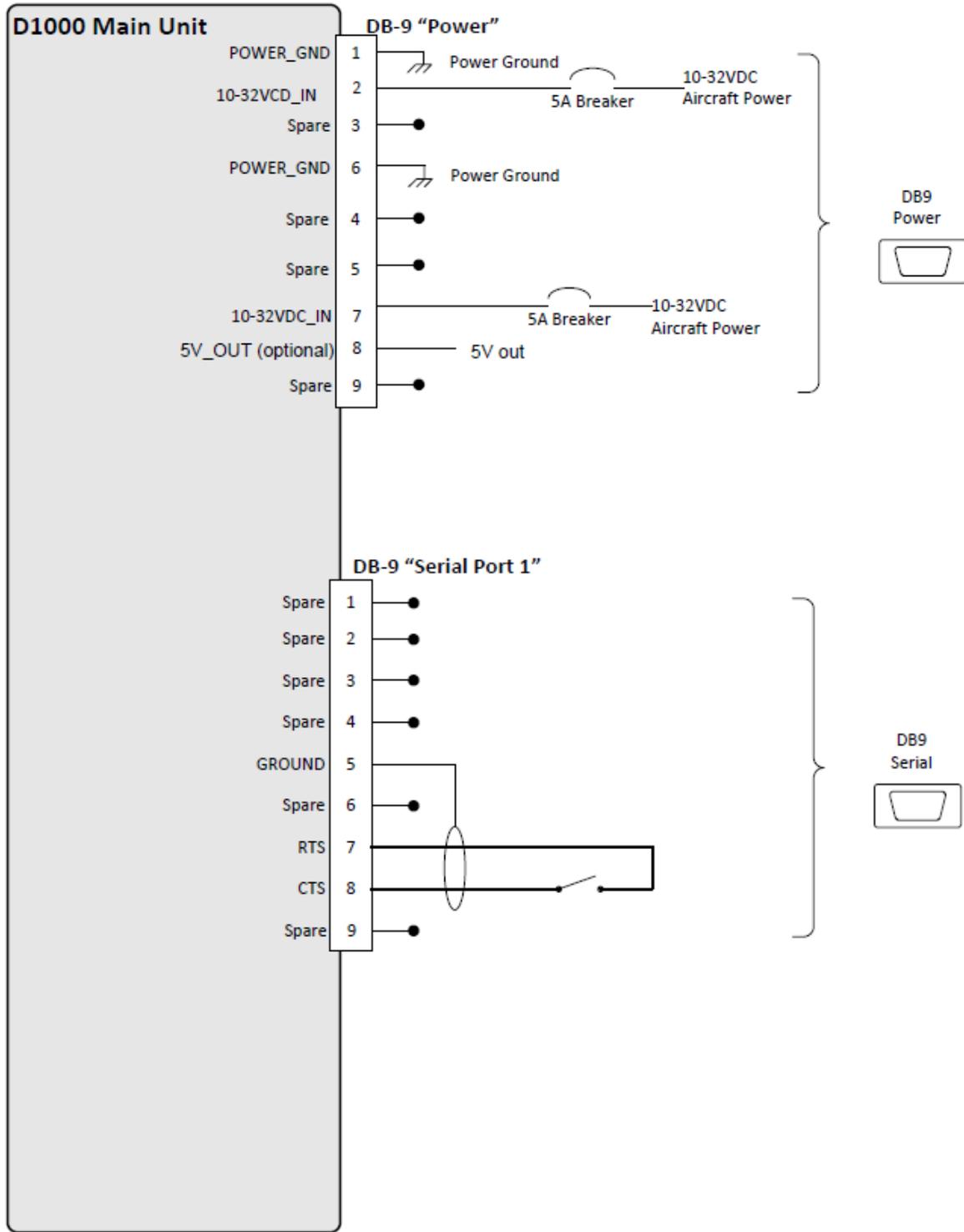
This extension cable would be connected to serial port 1, located nearest to the power DB9 connector.



Title	Micro Switch Harness
Size	A
Document Number	100248
Date	Wednesday, March 21, 2012
Rev	1.0
Sheet	2 of 2

OPTION 2 – DIRECT CONNECTION

The Micro switch can be directly connected to the D1000 modem.



ADDITIONAL ASSISTANCE?

Please do not hesitate to contact us via email or on the telephone number listed below. Thank you for choosing Blue Sky Network.



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