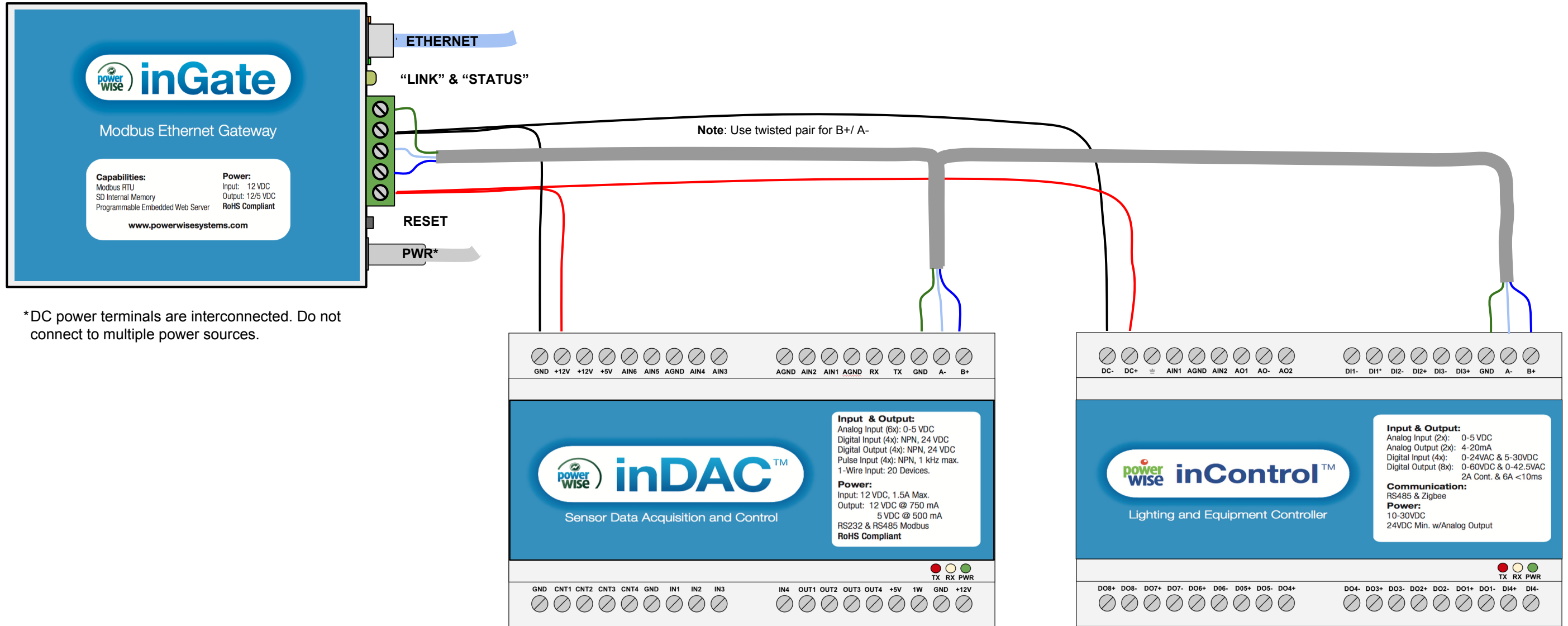


PowerWise Systems Hardware Diagram

inGate Modbus Wiring Diagram 1.0



*DC power terminals are interconnected. Do not connect to multiple power sources.



Modbus Ethernet Gateway

Capabilities:
 Modbus RTU
 SD Internal Memory
 Programmable Embedded Web Server
www.powerwisesystems.com

Power:
 Input: 12 VDC
 Output: 12/5 VDC
 RoHS Compliant



Sensor Data Acquisition and Control

Input & Output:
 Analog Input (6x): 0-5 VDC
 Digital Input (4x): NPN, 24 VDC
 Digital Output (4x): NPN, 24 VDC
 Pulse Input (4x): NPN, 1 kHz max.
 1-Wire Input: 20 Devices.

Power:
 Input: 12 VDC, 1.5A Max.
 Output: 12 VDC @ 750 mA
 5 VDC @ 500 mA
 RS232 & RS485 Modbus
 RoHS Compliant



Lighting and Equipment Controller

Input & Output:
 Analog Input (2x): 0-5 VDC
 Analog Output (2x): 4-20mA
 Digital Input (4x): 0-24VAC & 5-30VDC
 Digital Output (8x): 0-60VDC & 0-42.5VAC
 2A Cont. & 6A <10ms

Communication:
 RS485 & Zigbee

Power:
 10-30VDC
 24VDC Min. w/Analog Output