1. Isolation vs Non-Isolation





If isolation is required, then separate power sources are required for Radio Module and I/O Module(s).

If isolation is not required, a jumper is required to make common with Radio Module's power supply to to one of I/O Module's COM pin.

Jumper required if using a single power source.

2. Power Consumption

ΤΥΡΕ	POWER CONSUMPTION
RADIO	35 mA @ 12 Vdc AVG (10% Duty Cycle)
DIGITAL	26 mA @ 12 Vdc MAX
4-20 mA	83 mA @ 12 Vdc MAX
0-10 V	58 mA @ 12 Vdc MAX



All inputs and outputs on I/O Modules provide field isolation. Please wire accordingly.



Always disconnect power when attaching or detaching I/O Module(s) to or from DataRail to avoid damage.

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Jumper required if using9-30 V a single power source.

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11. Digital Level Output - Active Low



12. Digital Level Output - Active Low



External pull-up

If the Digital Input requires higher than 4.7 V, use an external pull-up resistor (10 K, up to 30 V max)

Open/Off > 4.7 V Closed/On = 0 V

COM

Jumper required if using a single power source.

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