

Notes:

(1) Signal return required

(2) Cable shield terminated per wiring standards, most often connected to common or ground at field end. Do not connect Modbus and BACnet shields to signal common at the gateway if isolation is to be maintained.

(3) ESD protection depends on a ground suitable for dissipation of static discharge, necessary if not already provided by power common.

(4) These terminals are electrically isolated from all other terminals

(5) These terminals are electrically isolated from all other terminals IF the isolated Modbus port option is in use, otherwise referenced to Power Common.

(6) The various Common connections must be isolated from each other if communication port isolation is to be maintained. The power and shield grounds should be connected as specified by your network engineer, but typically as noted in (2) above.

(7) Gateway may share common power supply with either the BACnet equipment or the Modbus equipment, but not both. Furthermore, if other equipment shares power with either BACnet or Modbus, then it is advisable to provide a separate isolated power supply for the gateway only.



smartIAQ to Babel Buster BB3-3101 Connection Wiring Diagram

