POWERWISE GATEWAY, 1-WIRE, GAST METER WIRING DETAIL 2.0

PowerWIse
124 Main St
Bucksport, ME 04416

Gas Meter

SiteSage Gateway

A1 A2 A3 D1 D2 D3
+ - + - + - + - + - + -

3-Wire Temp Sensors -
connect red and black leads
together and attach to GND

3M UBA2 Connectors
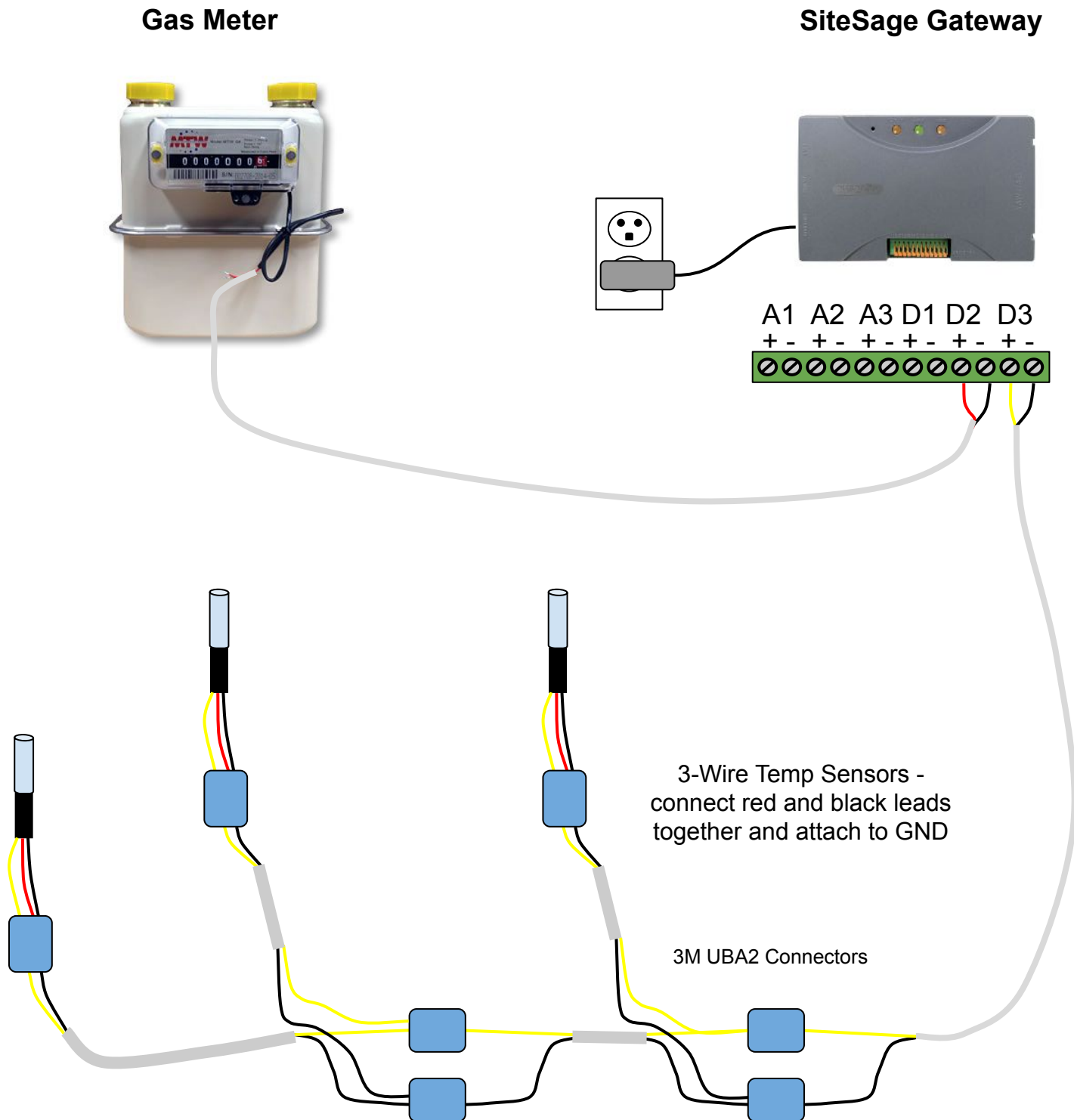
NOTES:

I.   Gateway must be within 30 feet of the SiteSage Energy Monitor (not pictured but located in electrical panel). Gateway connects to a network via ethernet or wireless.

II. The SiteSage Gateway includes 3.3 VDC power supply. The device can also be powered over ethernet. However, it must be a passive POE with a voltage between 37 - 57 VDC, meaning the POE voltage is always present.

III. Sensor wiring trunks should be 100 feet or less.

IV. PowerWise recommends using CAT5 or better with one twisted pair for the 1-Wire signal and ground.

V.   Maximum number of sensors is 5 per Gateway.

VI. The trunk wire should not be spliced by cutting. Best results can be achieved using insulation displacement splices like the 3M UB2A Connector. See https://www.youtube.com/watch?v=Y6hGU2W__M4

VII. Splices to the trunk should be 5 feet or more apart.

VIII. Do not run 1-Wire next to high-voltage wires.