

PLC Application Data Sheet

1) Is there a required or preferred PLC Manufacturer?

2) Is there a required or preferred PLC Model?

3) How many Digital inputs are needed? 24VDC? 110VAC?

Number of Inputs _____

Voltage _____

Any special requirements High speed, Isolated, Sink, Source or other? _____

4) How many Control Digital Outputs are need? 24VDC? 110VAC? Amps required?

Number of Outputs _____

Voltage _____

Amps _____

Any special requirements High speed, Isolated, Sink, Source or other? _____

5) How many Relay Contact Outputs are required?

Number of Outputs _____

Amps _____

Any special requirements High speed, Isolated, Sink, Source or other? _____

6) How many Analog inputs are needed? mA?, VDC?, T/C?, RTD? Isolated?

mA _____

VDC _____

Thermocouples _____

RTDs _____

Any special requirements Isolated, Sink, Source or other? _____

7) How many Analog outputs are needed? mA?, VDC?, Isolated?

mA _____

VDC _____

Any special requirements Isolated, Sink, Source or other? _____

8) Is there a required or preferred Operator Interface Manufacture?

9) Operator interface 16 Character 4 lines, 6" Touch, 8", 10", 15" Monochrome or Color?

16 Character 4 lines _____

6" _____

8" _____

10" _____

15" _____

10) Operator Interface, Color or Monochrome

Color _____ Monochrome _____

10) Networking with other PLCs? What kind? How?

11) Internet Capability?

12) Data Collection need? How many samples? In PC or PLC?

13) Communication Parameters used RS232, RS422, RS485, DH+, Ethernet?

14) Communication with 3rd party device, Slave/Master? Data Transfer Bits, Integers, Real numbers? Method used Modbus, Profibus, DeviceNet, ASCII? What is the device

15) How are the rules defined, Truth table, flow chart, written description?

16) Where will the PLC be housed, Temp, Sunlight, Electrical noise?

17) Advantageous to use wireless Communications?

18) Advantageous to use multiple satellite PLCs, Shelter control, tank control ect.

19) What is the most important selection factor, flexibility, cost ect?

20) Special considerations, class 1 Div 2, CPU Redundancy ect?