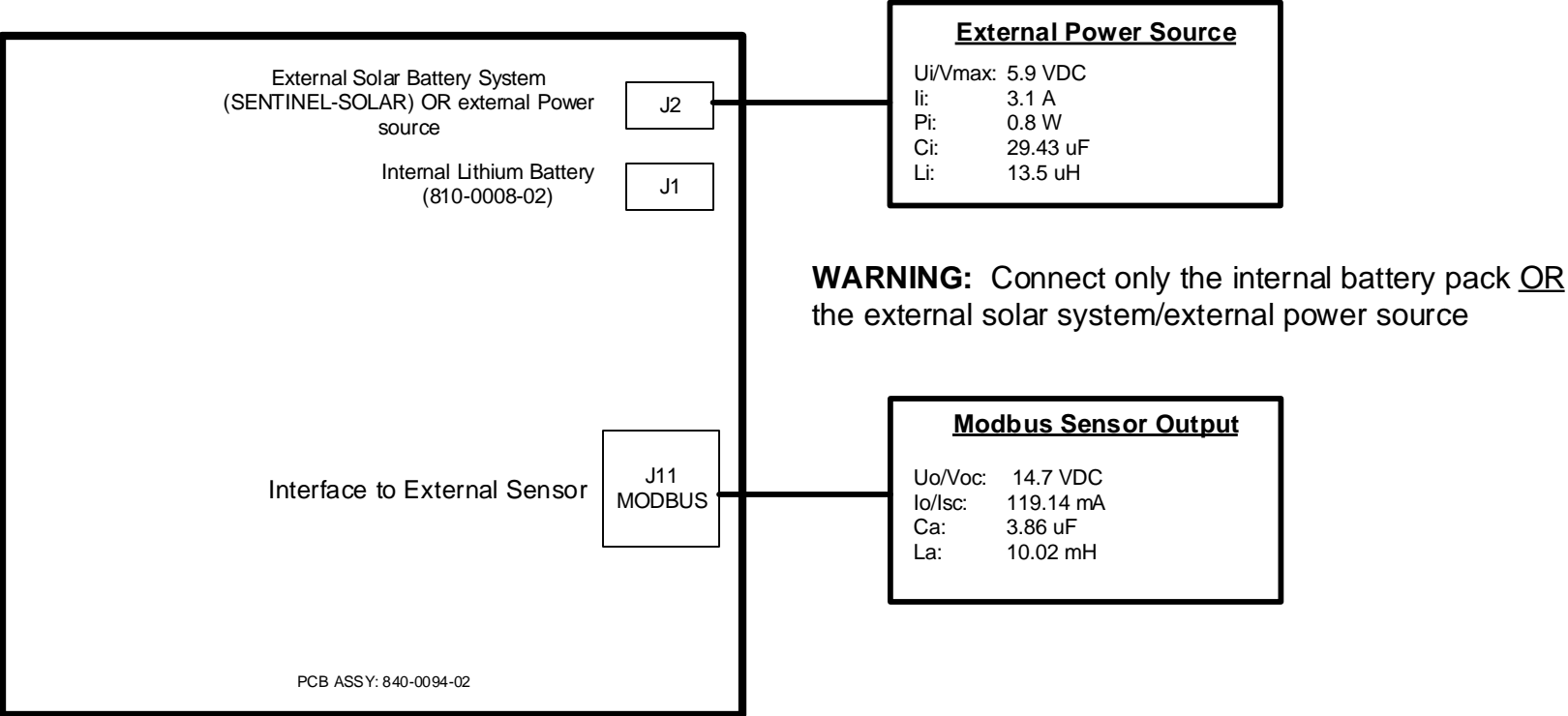


# SignalFire Sentinel Modbus Interface

## Model: SENTINEL-485-XXXX

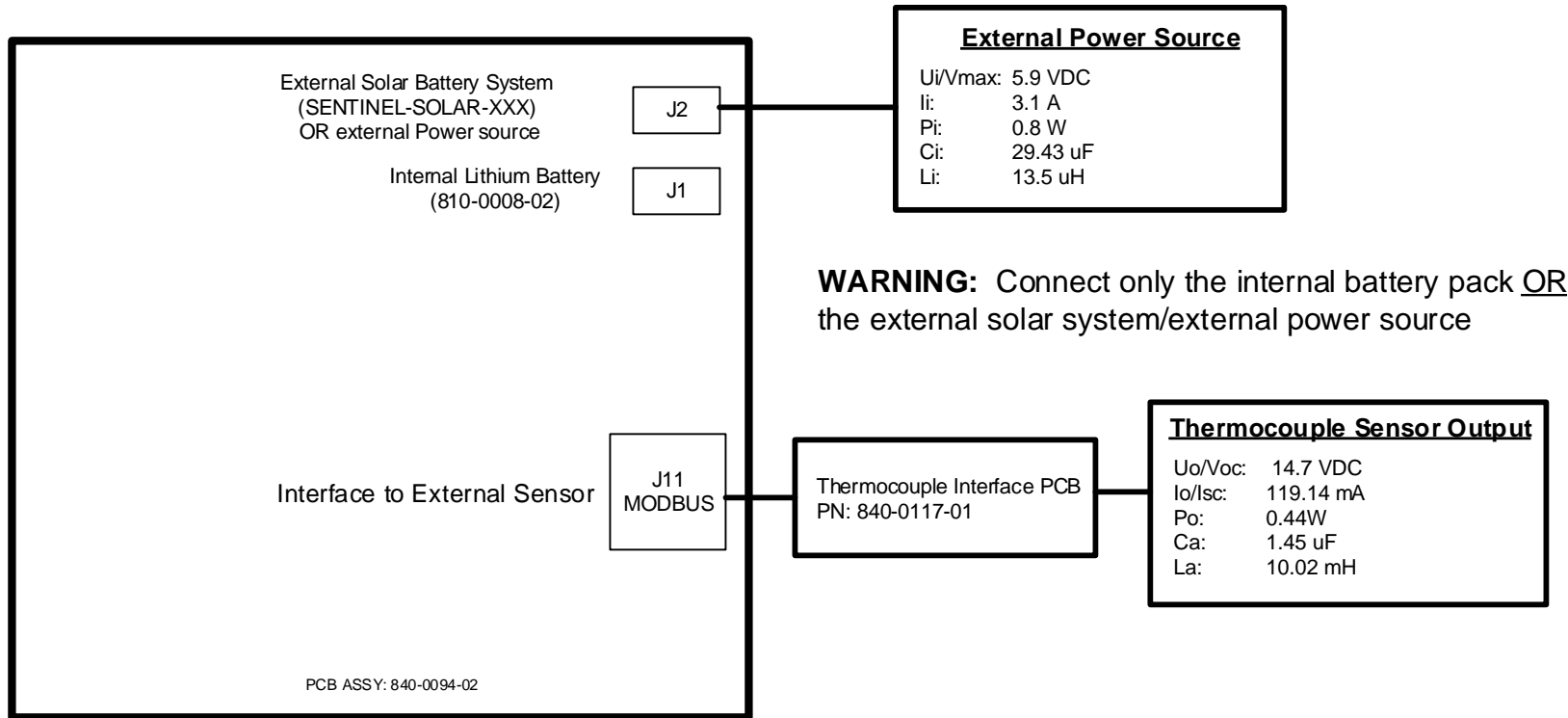


<h1>SignalFire Telemetry</h1>		
Part Name	Control Drawing, Sentinel Modbus Interface	Date 11/2/17
Part Number	960-0027-01	Rev 2.6
Page 1 of 4		

<b>Class I, Division 1, Groups C and D</b>	<b>Ambient Temperature Limit: -40C to +60C</b> <b>Temperature Code: T3</b>
<ul style="list-style-type: none"> <li>• <b>WARNING:</b> Substitution of components may impair intrinsic safety.</li> <li>• Choose peripheral devices and associated apparatuses such that the following conditions are met:  <math>U_i/V_{max} \geq U_o/V_{oc}</math>  <math>I_i/I_{max} \geq I_o/I_{sc}</math>  <math>P_i \geq P_o</math>  <math>C_o/C_a \geq C_i + C_{cable}</math>  <math>L_o/L_a \geq L_i + L_{cable}</math> </li> <li>• <b>When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02</b></li> <li>• <b>See SignalFire Instruction manual number 960-0034-01 for installation requirements</b></li> <li>• <b>Install the internal battery pack only when external power is not used</b></li> </ul>	

# SignalFire Sentinel Modbus with Thermocouple Interface

## Model: SENTINEL-Xtherm-XXX



# SignalFire Telemetry

Part Name	Control Drawing, Sentinel Modbus with Thermocouple Interface	Date	11/2/17
Part Number	960-0027-01	Rev	2.6

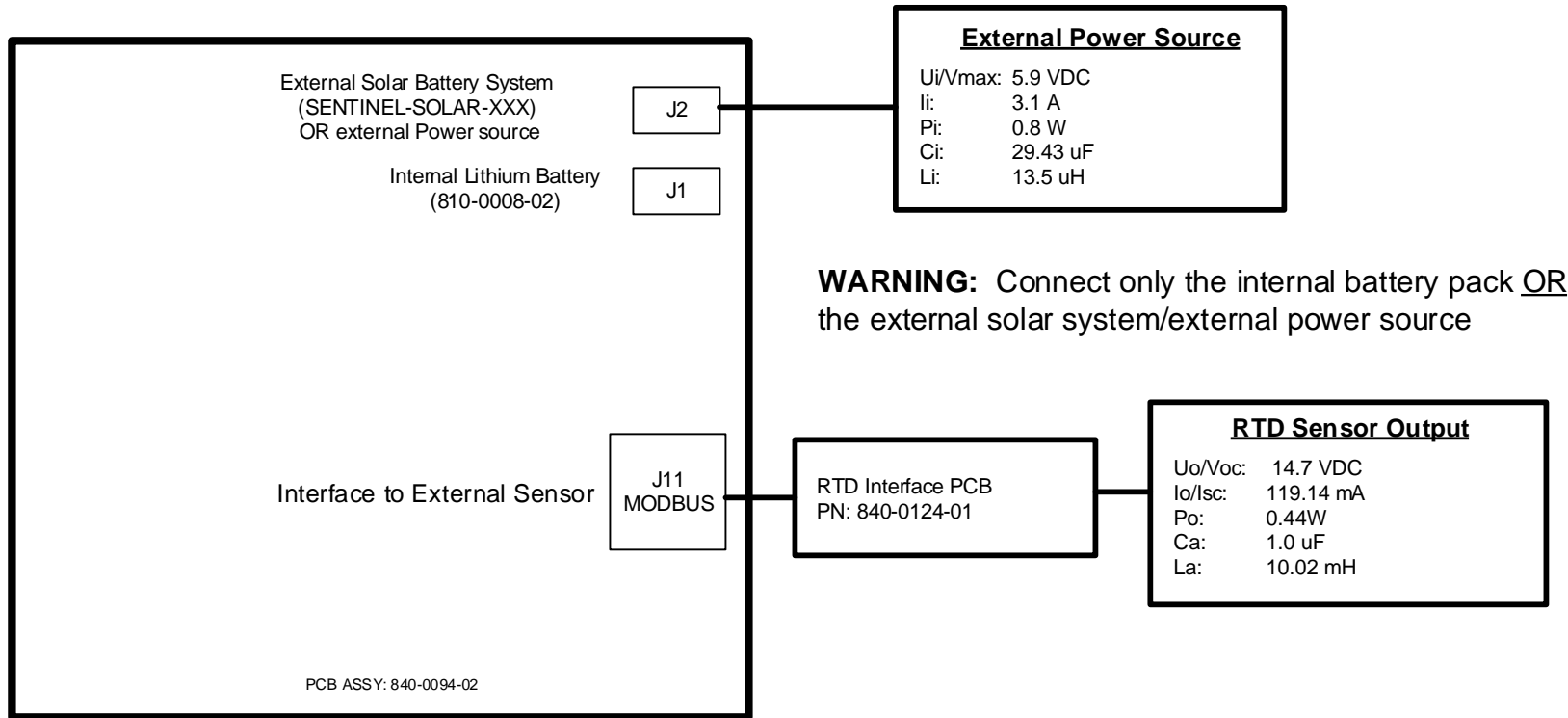
**Class I, Division 1, Groups C and D**

**Ambient Temperature Limit: -40C to +60C**  
**Temperature Code: T3**

- WARNING: Substitution of components may impair intrinsic safety.
- Choose peripheral devices and associated apparatuses such that the following conditions are met:  
 $U_i/V_{max} \geq U_o/V_{oc}$   
 $i_i/I_{max} \geq I_o/I_{sc}$   
 $P_i \geq P_o$   
 $C_o/C_a \geq C_i + C_{cable}$   
 $L_o/L_a \geq L_i + L_{cable}$
- **When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02**
- **See SignalFire Instruction manual number 960-0058-01 for installation requirements**
- **Install the internal battery pack only when external power is not used**

# SignalFire Sentinel Modbus with RTD Interface

## Model: SENTINEL-RTD-XXX



PCB ASSY: 840-0094-02

**Class I, Division 1, Groups C and D**

**Ambient Temperature Limit: -40C to +60C**  
**Temperature Code: T3**

## SignalFire Telemetry

Part Name	Control Drawing, Sentinel Modbus with RTD Interface	Date	11/2/17
Part Number	960-0027-01	Rev	2.6

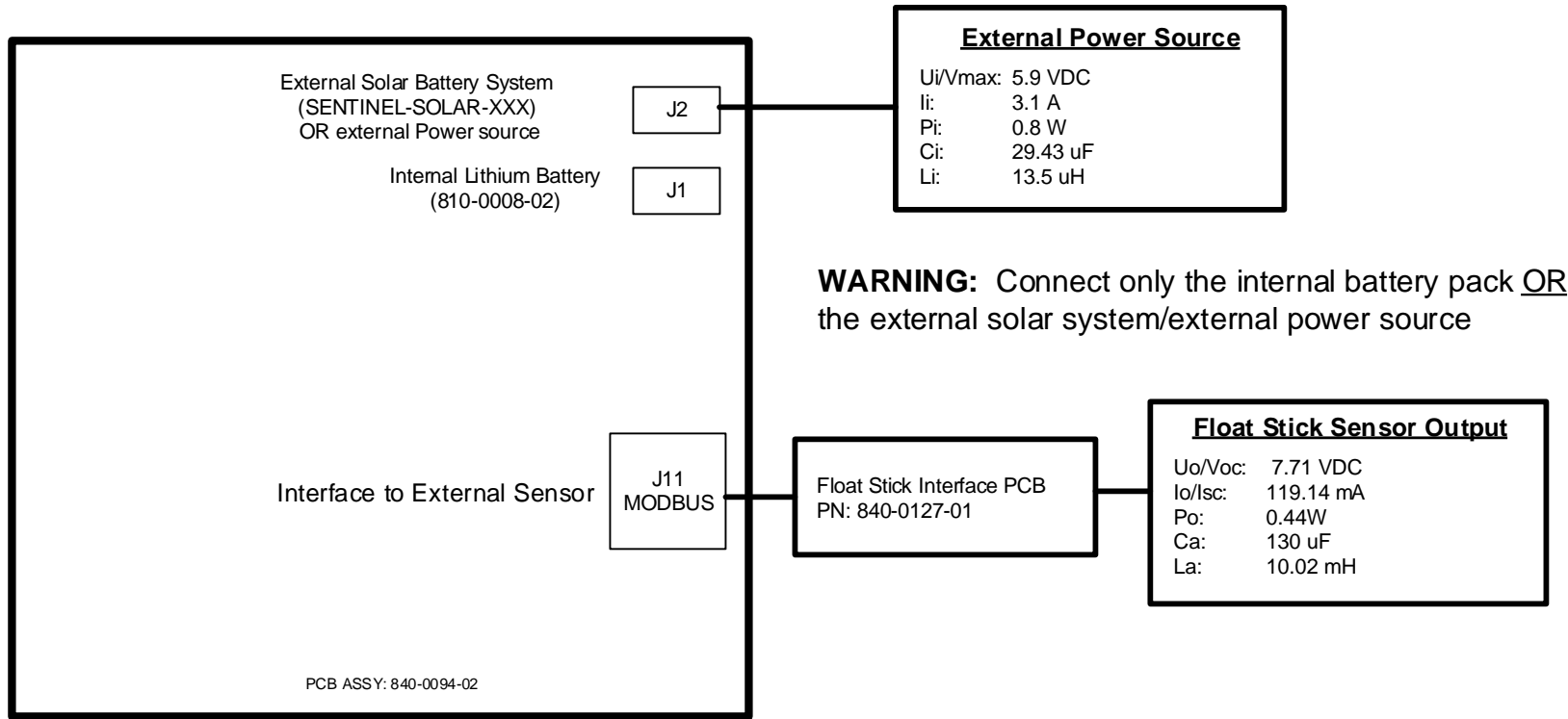
• WARNING: Substitution of components may impair intrinsic safety.

• Choose peripheral devices and associated apparatuses such that the following conditions are met:  
 $U_i/V_{max} \geq U_o/V_{oc}$   
 $I_i/I_{max} \geq I_o/I_{sc}$   
 $P_i \geq P_o$   
 $C_o/C_a \geq C_i + C_{cable}$   
 $L_o/L_a \geq L_i + L_{cable}$

- When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02
- See SignalFire Instruction manual number 960-0058-01 for installation requirements
- Install the internal battery pack only when external power is not used

# SignalFire Sentinel Modbus with Float Stick Interface

## Model: SENTINEL-FS-XXX



<h1>SignalFire Telemetry</h1>	
Part Name	Control Drawing, Sentinel Modbus with Float Stick Interface
Date	11/2/17
Part Number	960-0027-01
Rev	2.6
Page 4 of 4	

<b>Class I, Division 1, Groups C and D</b>	<b>Ambient Temperature Limit: -40C to +60C</b> <b>Temperature Code: T3</b>
<ul style="list-style-type: none"> <li>• WARNING: Substitution of components may impair intrinsic safety.</li> <li>• Choose peripheral devices and associated apparatuses such that the following conditions are met:  <math>U_i/V_{max} \geq U_o/V_{oc}</math>  <math>I_i/I_{max} \geq I_o/I_{sc}</math>  <math>P_i \geq P_o</math>  <math>C_o/C_a \geq C_i + C_{cable}</math>  <math>L_o/L_a \geq L_i + L_{cable}</math> </li> <li>• <b>When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02</b></li> <li>• <b>See SignalFire Instruction manual number 960-0058-01 for installation requirements</b></li> <li>• <b>Install the internal battery pack only when external power is not used</b></li> </ul>	