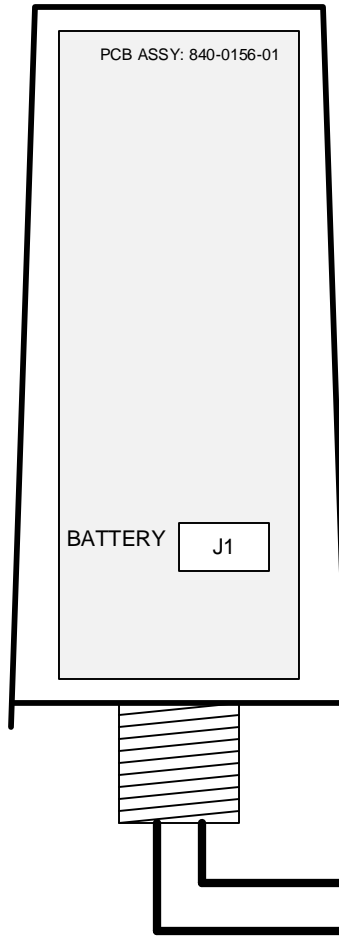


# SignalFire Link Scout

Model: LinkScout-HART-1BIS



**Power Source (J1)**  
SignalFire 1BIS Battery pack Only

**HART Loop Entity Parameters**

Ci and Li values are the capacitance and inductance that is added to the external connection via Hart output when the LinkScout is connected:

**Ci = 6800pF**  
**Li = 0H**

The output parameters from the LinkScout to the external device will be as follows:

**Uo = 5.73VDC**  
**Io = 0A**  
**Po = 0W**  
**Co = 0.553µF**  
**Lo = 0.08mH**

The input parameters from the external device to LinkScout will be as follows:

**Ui = 30VDC**  
**Ii = 130mA**  
**Pi = 1W**

**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.
- Note: The LinkScout add only 6800pF and no inductance to the fixed system
- 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 810-0030-01 (1BIS)
- See SignalFire Instruction manual number 960-0094-01 for installation requirements

<h2>SignalFire Telemetry</h2>	
Part Name	Control Drawing, Link Scout
Date	4/18/19
Part Number	960-0095-01
Rev	1.3
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