SignalFire Sentinel HART/Analog Interface
Models: Sentinel-HART-XXXX and Sentinel-ANALOG-XXXX

External Power Source
Ui/Vmax: 5.9 VDC
Ii: 3.1 A
Pi: 0.8 W
Ci: 34.2 μF
Li: 14.2 μH

WARNING: Connect only the internal battery pack OR
the external solar system/external power source

Analog/HART Sensor Output
Uo/Voc: 21 VDC
Io/Isc: 111 mA
Ca: 1.16 μF
Lo/La: 11.5 mH

Class I, Division 1, Groups C and D
Ambient Temperature Limit: -40°C to +60°C
Temperature Code: T3

• WARNING: Substitution of components may impair intrinsic safety.
• Choose peripheral devices and associated apparatuses such that the following conditions are met:
  Ui/Vmax ≥ Uo/Voc
  Ii/Imax ≥ Io/Isc
  Pi ≥ Po
  Co/Ca ≥ Ci + Ccable
  Lo/La ≥ Li + Lcable
• When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02
• See SignalFire Instruction manuals numbers 960-0031-01/960-0032-01 for installation requirements
• Install the internal battery pack only when external power is not used
SignalFire Sentinel Analog with Strain Gauge/POT Interface
Models: Sentinel-StrainGauge-XXX and Sentinel-POT-XXX

External Power Source
Ui/Vmax: 5.9 VDC
Ii: 3.1 A
Pi: 0.8 W
Ci: 34.2 uF
Li: 14.2 uH

Strain Gauge/POT Sensor Output
Uo/Voc: 21 VDC
Io/Isc: 90.2 mA
Po: 0.47 W
Ca: 0.86 uF
Lo/La: 17.4 mH

CLASS I, DIVISION 1, GROUPS C AND D

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

• WARNING: Substitution of components may impair intrinsic safety.
• Choose peripheral devices and associated apparatuses such that the following conditions are met:
  Ui/Vmax ≥ Uo/Voc
  Ii/Imax ≥ Io/Isc
  Pi ≥ Po
  Ci/Ca ≥ Ci + Ccable
  Lo/La ≥ Li + Lcable
• When replacing the internal battery, only use SignalFire lithium battery model number 810-0008-02
• See SignalFire Instruction manuals numbers 960-0064-01/960-0066-01 for installation requirements
• Install the internal battery pack only when external power is not used