

## Summing In-Line Amplifiers

Order Code AA919

**32341674**

Issue 1

**Datasheet**



### DESCRIPTION

Honeywell Summing In-Line Amplifiers are housed in a small plastic package, which is connected between the transducer and a readout instrument/UI through computer. The Summing In-Line Amplifier supplies a regulated bridge excitation voltage for the transducer and converts the millivolt signal from the transducer to a 0 Vdc to 10 Vdc amplified signal. The Summing In-Line Amplifier features include auto-excitation voltages, programmable gain settings, a wide adjustment range on the span and offset value.

### VALUE TO CUSTOMERS

- Summing and amplifier feature in single product
- One-touch Tare function
- Error diagnostics feature for each load cell in the system
- LED display on the housing
- Single load cell replacement without interrupting the end system
- CE approved
- Diagnostic features to indicate bridge open and overload
- RoHS compliant

### FEATURES

- Accuracy  $\pm 0.25\%$  FSS
- Works with mV/V output sensors
- User interface/application software provided along with device
- Load cell interchangeability; can be more easily accomplished using UI /application software
- Span and offset scaling through UI/application software
- 4-pin detachable connectors for loadcell interface
- Diagnostic features to indicate Bridge open and Overload.
- Tare function
- Enclosure material ABS

### DIFFERENTIATION

- LED display on the housing
- Less weight for better ease of installation
- Error diagnostics feature for each load cell in the system
- Single load cell replacement without interrupting the end system

### POTENTIAL APPLICATIONS

- Industrial washing machine
- Vessel weighing
- Platform scales
- Hopper weighing
- Conveyor weighing
- Batch weighing
- Silo weighing

### PORTFOLIO

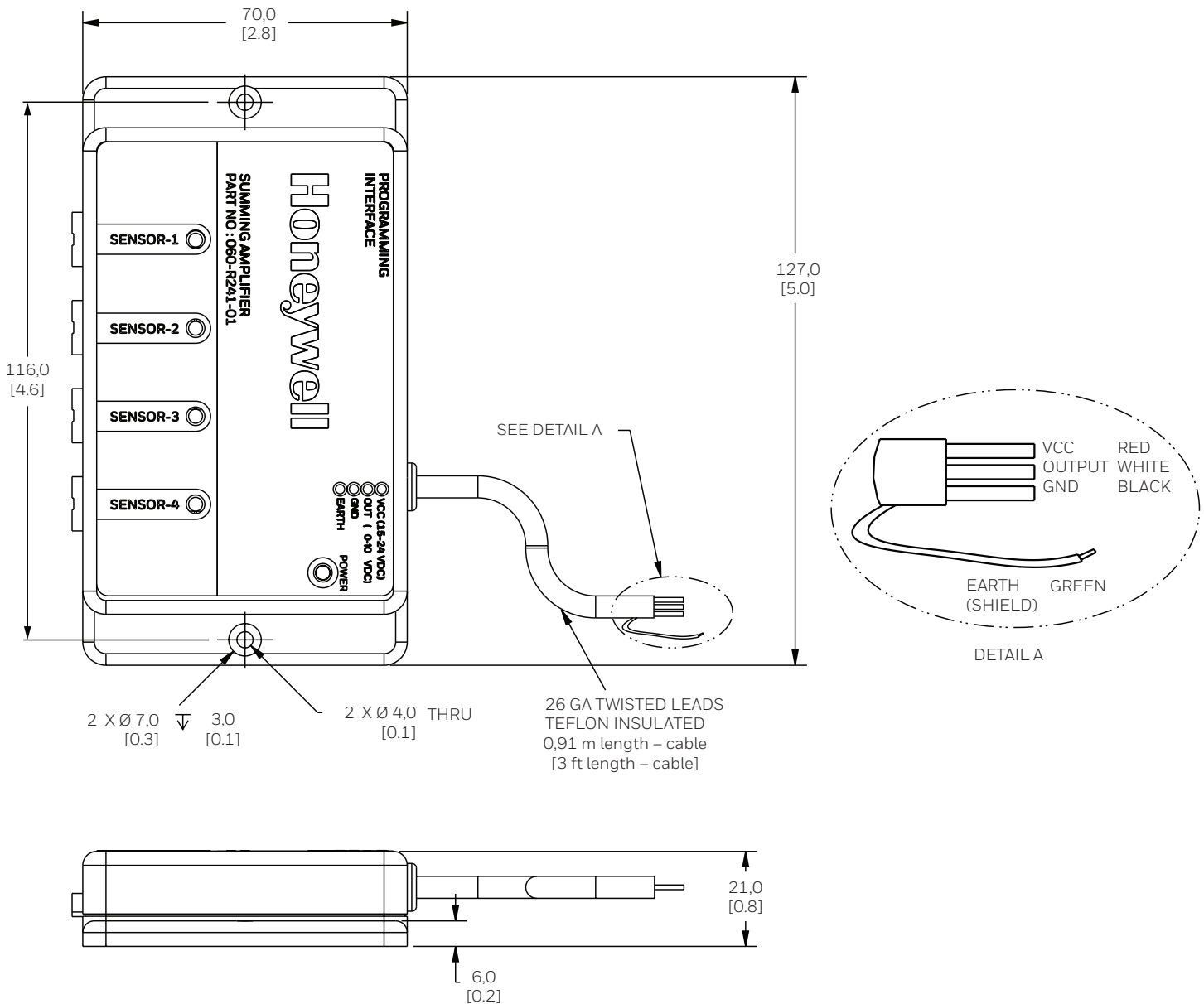
Summing In-Line Amplifiers are part of a comprehensive line of Honeywell amplifiers.

# Summing In-Line Amplifiers, Order Code AA919

**Table 1. Performance Specifications**

Characteristic	Measure
Input supply voltage range	15 Vdc to 24 Vdc
Input supply current	150 mA max.
Output voltage	0 Vdc to 10 Vdc
Operating temperature range	-10 °C to 60 °C [14 °F to 140 °F]
Output offset correction	10 % full scale
Span adjustment range	1.5 mV/V-12 mV/V
Bridge excitation voltage	5 V at 15 mA
Reverse polarity protection	Yes
Amp output saturation	11 Vdc
Certification	CE

**Figure 1. Mounting Dimensions** mm [in]



### **⚠ WARNING PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **⚠ WARNING MISUSE OF DOCUMENTATION**

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

#### **For more information**

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