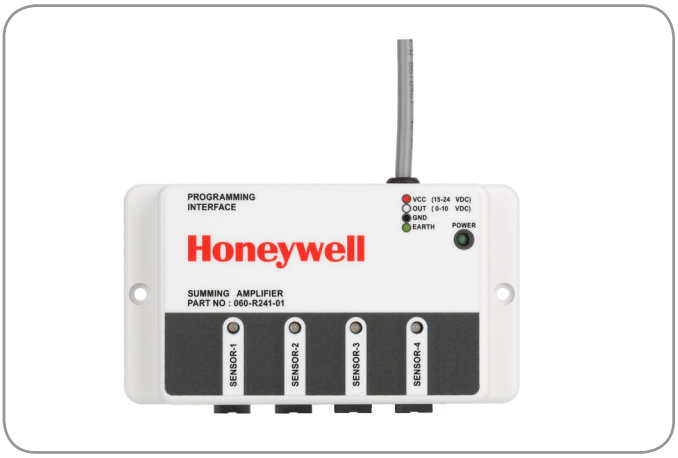
Summing In-Line Amplifiers

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 ±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

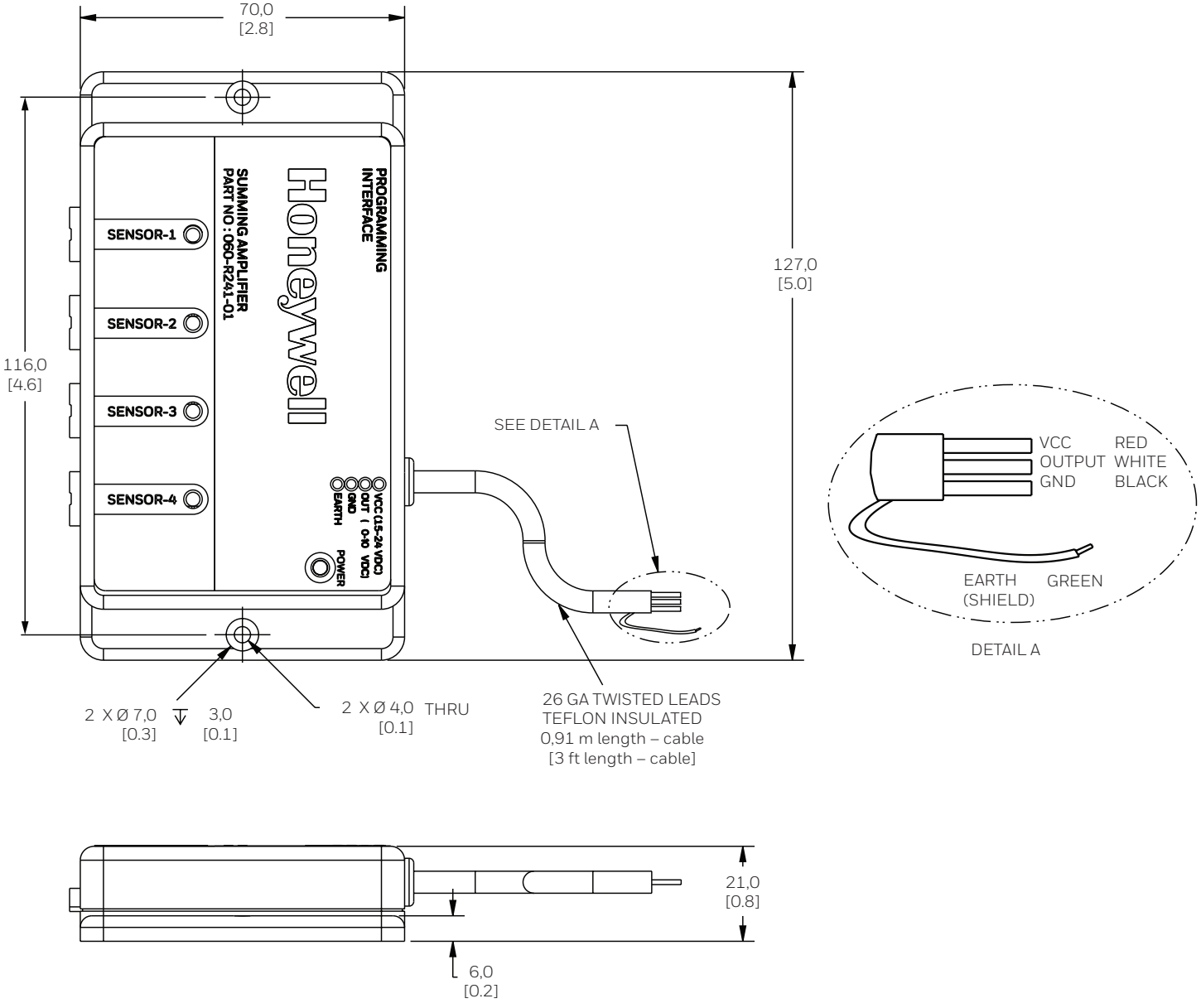
Summing In-Line Amplifiers are part of a comprehensive line of Honeywell amplifiers.

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.

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

For more information

Honeywell Sensing and Internet of Things services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or the nearest Authorized Distributor, visit sensing.honeywell.com or call:

Asia Pacific	+65 6355-2828
Europe	+44 1698 481481
USA/Canada	+1-800-537-6945

Honeywell Sensing and Internet of Things
9680 Old Bailes Road
Fort Mill, SC 29707
www.honeywell.com

32341674-1-EN | 1 | 06/19