

Signal Converter

DATA SHEET

Overview

The HEINZMANN Signal Converter provides a 4 mA to 20 mA input from an external speed controller (e.g. Si-TEC BDG, CGC, etc.) and a 0 mA to 200 mA output to the HA14E / HA22E amplifier or to Woodward range of electro-hydraulic actuators, with no pre-calibration or set up required during the installation.

The converter requires a 24 Vdc power supply and provides a green LED to indicate power supply to unit.

In addition, it also has a 0 – 5 Vdc output for actuator position feedback (e.g. to DCS, SCADA, etc.).



Key Features

4 mA to 20 mA Input range

0 mA to 200 mA output range

Utilise with HA14E / HA22E Amplifiers

Compatible with the Woodward range of electro-hydraulic actuators

No pre-calibration or setup required

LED Level indicators for input and output signals

Output for actuator position feedback

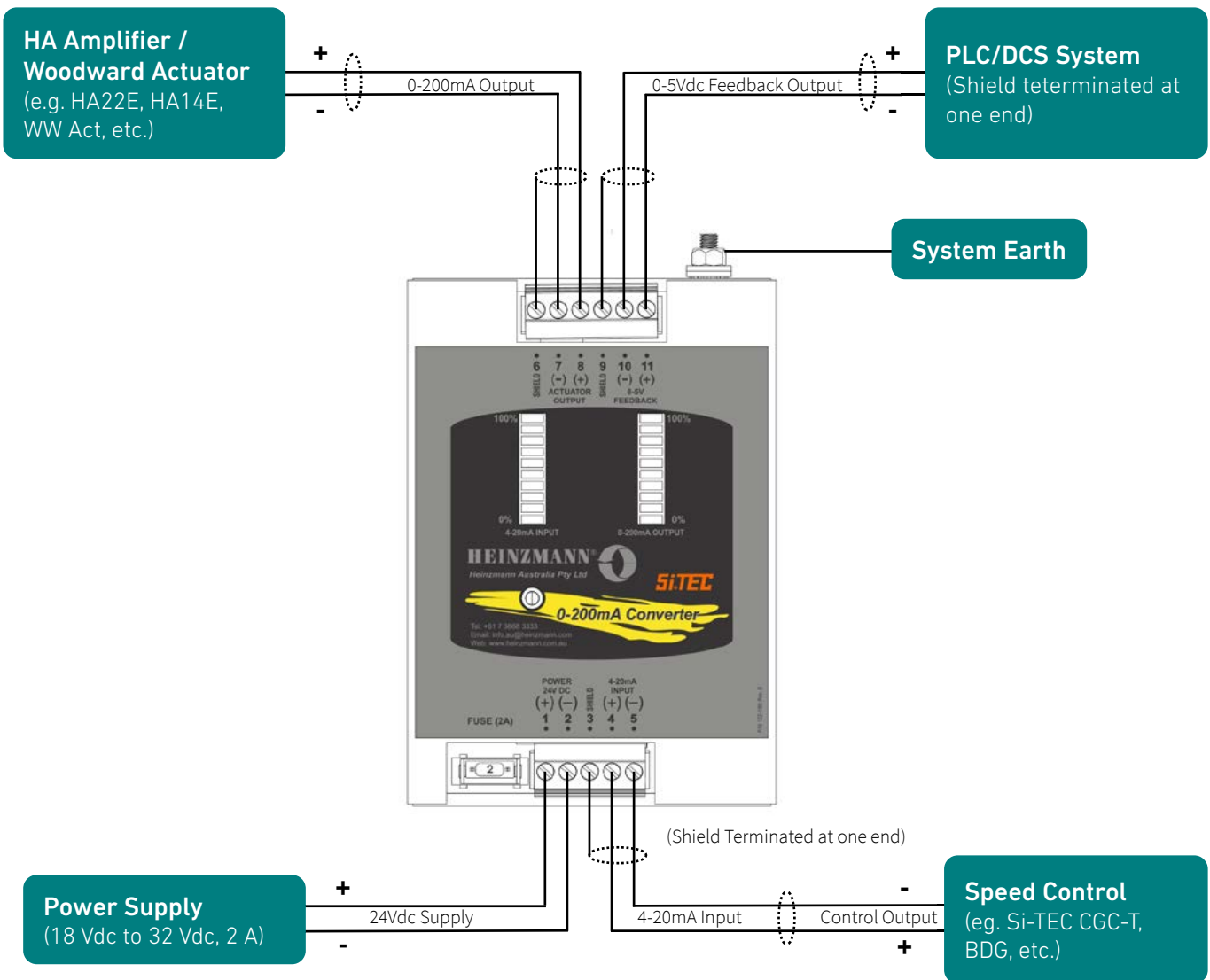
Application

- Steam turbine generators
- Back-pressure turbines
- Condensing turbines
- Sugar mills
- Paper Mills
- Oil & Gas
- Geothermal
- Utility generation

General Technical Data

Specification	Value
Size	83.5 x 150 x 31.6 mm
Weight	0.465 kg
Mounting	Internal flush mounted with 2 x M6 screws required
Power Supply	24 Vdc nominal (18 Vdc to 32 Vdc range), with 2 Amp fuse rating, reverse polarity protected
Input	4 – 20 mA (input signal)
Input Resistance	Maximum burden resistance 500 Ω
Output	0 mA to 200 mA (calibrated to 10 mA – 180 mA)
Time Lag	< 5 mSec for 100 % step
Operating Temperature	0 to 60 °C 95 % Non-Condensing, the signal converter must be mounted to the metal backing plate of the enclosure

Wiring Interface Details



Physical dimensions

The signal converter is internal panel flush mounted with 2 x M6 mounting screws required.
 Green LED level indications for both input (4 mA to 20 mA) as well as output (0 mA to 200 mA) provide for ease of troubleshooting and diagnostics.

