

Positioner 4-20mA to H-Drive

DATA SHEET

Model

Positioning module for controlling HEINZMANN StG 6/10/16/30/40/64/90 actuators with external speed control.



Overview

The HEINZMANN Positioner provides a 4 mA to 20 mA input from an external speed control (e.g. Si-TEC BDG, CGC, etc.) and a H-Drive output to the HEINZMANN StG actuator (StG 6 to StG 90), with no pre-calibration or set up required during the installation and setup.

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

In addition, it also has an a "Current Limit Relay Output" for "Current Limit" (Torque Limited) mode.

Application

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

Key Features

4 mA to 20 mA Input command

H-drive output with position feedback

Direct interface with HEINZMANN Actuator range from StG 6 to StG 90

Fast and instantaneous response

No pre-calibration or setup required

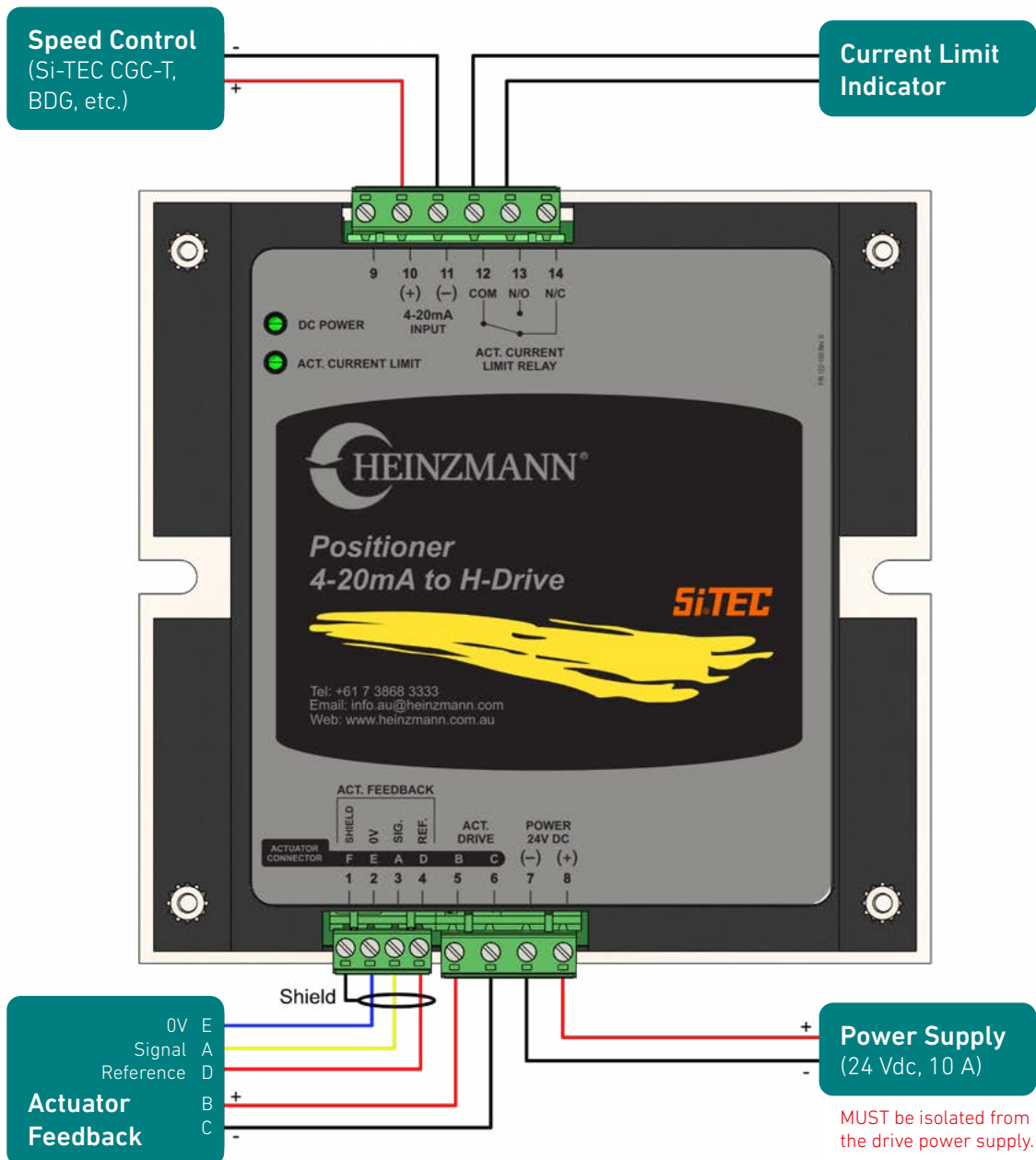
Failsafe function on loss of 4-20 mA input

Compact size and easy mounting

General Technical Data

Specification	Value
Size	160 x 164 x 38 mm
Weight	0.95 kg
Mounting	Internal flush mounted with 2 x M7 screws required
Power Supply	24 Vdc nominal (18 Vdc to 32 Vdc range), with 10 Amp fuse rating, reverse polarity protected
Input	4 – 20 mA (input signal must be isolated from the power supply)
Input Resistance	Maximum burden resistance 250 Ω
Output	H-Drive current output with position feedback (1.5 to 2.6 Vdc)
Time Lag	< 5 mSec for 100% step
Operating Temperature	0 to 60°C (95% Non-Condensing)
EMC Requirements	In order to comply with requirements of IEC61000-4-2, -3, -4 and -5 the positioner unit must be mounted in a steel plate enclosure

Wiring Interface Details



Physical dimensions

The positioner is internal panel flush mounted with 2 x M7 mounting screws required.
Green LED indicator for power and the Actuator Current Limit.

