



EX-137

Servo amplifier

Application

The Servo amplifier is meant to be used to control electrical actuator with an analog electrical signal.

Construction

The Servo amplifier is build-up entirely of electrical components. The outputs consist of Triac elements and thus have no movable parts that can be worn out. The Servo amplifier works by a incoming analog signal is compared with a feedback signal from the electrical actuator. When the incoming signal changes, the servo amplifier sends an output voltage in the current direction until the feedback potentiometer from the actuator reach a value where balance between set point and feedback signal is attained.



Mounting

Locally wall mounted in a tight box of powder painted aluminium.

Dimensions: 140 x 140 x 70 mm

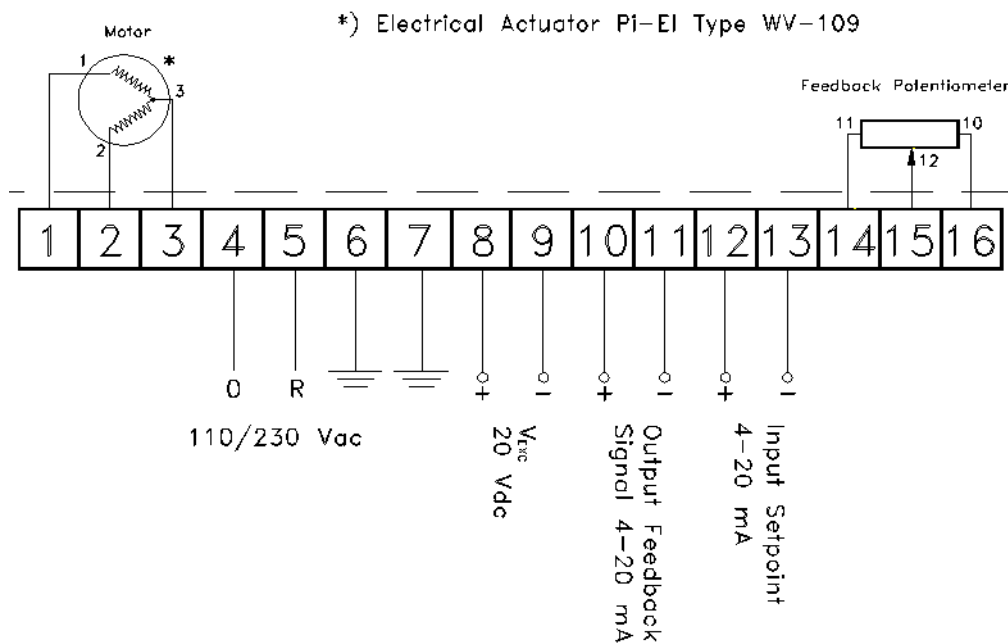
Adapting

The actuator working range can be adjusted with the potentiometers marked Z (inner position) and S (outer position). Check the actuator working range after adjustment of the potentiometers. To avoid that the actuator are working at small aberrations between set point and feedback value, the potentiometer marked HYST. can be adjusted until suitable dead band is reached.

Technical specification

Input signal	4-20 mA
Feed back input	Potentiometer min. 0-100, max. 0-2 kΩ
Feed back output	4-20 mA
Supply	110 alt. 230 Vac
Output voltage	2 x 110 alt. 2 x 230
Vac Max load	700 VA
Adaptable range	0-100 %, 20-100 %, 0-50 %, 15-85 %
Hysteresis	0-10%
Environment temp.	0-70 °C

Coupling



Dimensions

