

Model SY Governing ACTUATORS

Precision Governor's Model SY governing actuator uses linear ball bearings to provide low friction governing for all applications requiring precise governing control.

Designed for use with larger diesel engines the SY actuators have a linear stroke of .75 inches and a net force of 9.3 lbf.



Features:

- ◆ Features ultra low friction linear ball bearings. Precise, smooth governing actuator control at all temperature ranges. At least ten times lower friction than actuators using solid bushings.
- ◆ Failsafe operation. Internal spring returns actuator to the minimum fuel/shutdown position in case of power loss.
- ◆ Requires much less current and operates at much cooler temperatures than others.
- ◆ Available in 12 volt & 24 volt versions.
- ◆ Corrosion and moisture resistant.
- ◆ Ideal for gensets Isochronous control with zero droop over the complete speed range.

Specifications

ELECTRICAL

Power Input

12 or 24 Volt DC Available

12 VDC

Coil Resistance

3.1 Ohms

Maximum Continuous Current

2.6 Amps

24 VDC

Coil Resistance

11.5 Ohms

Maximum Continuous Current

1.5 Amps

Connectors

Standard:

Spade Terminal

AMP P/N 2-520102-2 or equivalent

Mate:

AMP P/N 2-520184-2 or 3-350820-2 or equivalent

Options:

Deutsch

P/N DT04-2P

Mate:

P/N DT06-2S

Delphi-Packard

P/N 15300027

Mate:

P/N 15300002

MECHANICAL

Dimensions:

See drawing for specific model

Stroke:

0.75 inches

Response Time typical:

45 msec @ 63% of travel

Materials:

Corrosion resistant Aluminum and Zinc Plated Steel

Weight:

4.8 lbs

Serial Number:

Etched into housing opposite lead wires or actuator mounting plate.

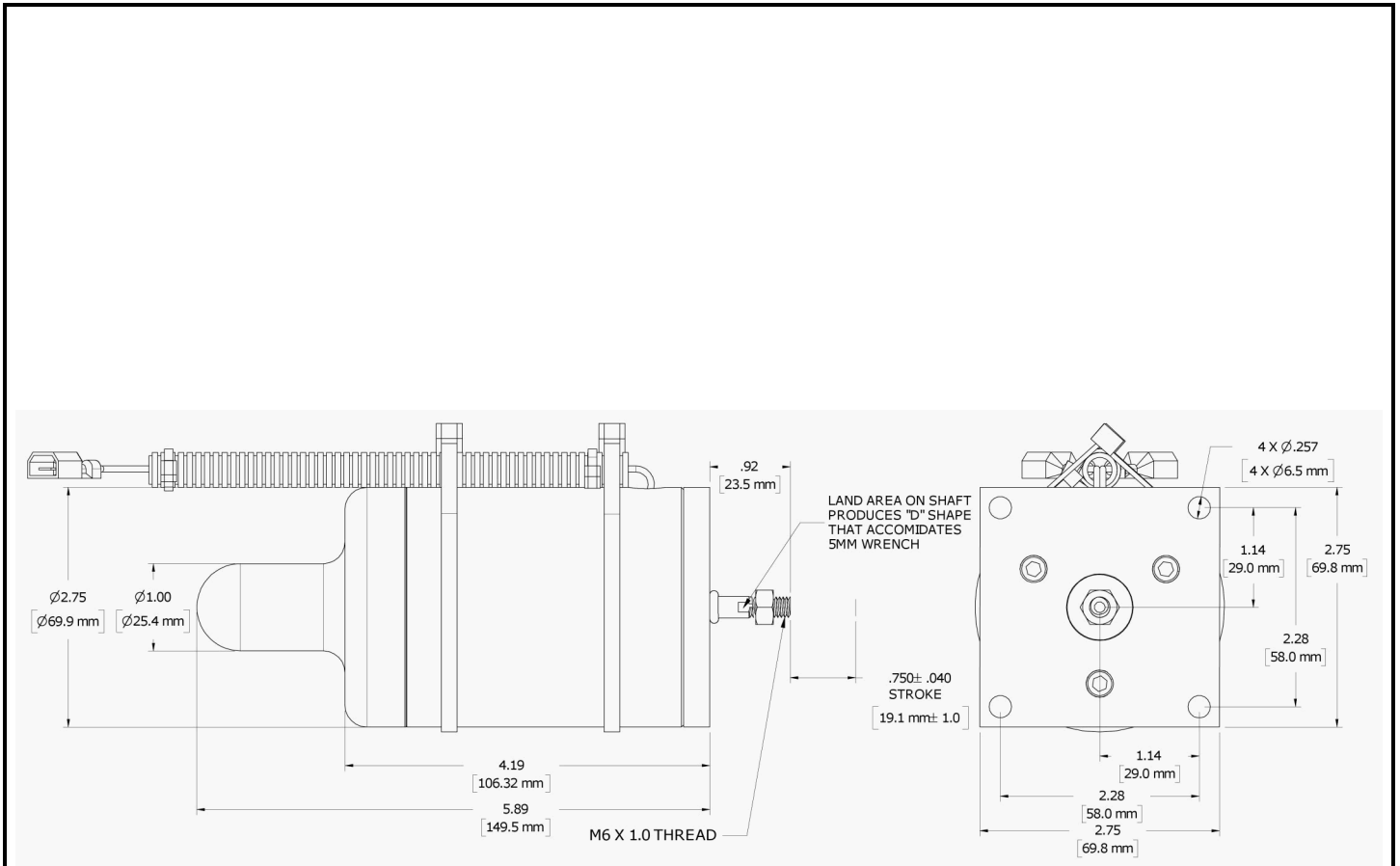
ENVIRONMENTAL

Operating Temperature Range:

-40°F to 250°F

(-40°C to 121°C)

Model SY Governing ACTUATOR



SCY SERIES ACTUATOR

Ultra Low Friction Linear Ball Bearing Design

Precision Governor's exclusive use of two low friction linear ball bearings in each governing actuator insures precision, reliable governing performance in the most demanding industrial applications.



Ordering: *Model SY Governing Actuators*

Part No.

Description

9243

Series SCY
12 Volt Systems

9238

24 Volt Systems