

ECLIPSE PROGRAMMABLE ROTARY ACTUATOR

**For Burner and Valve
Control Systems**

An easy, reliable way to optimize burner and valve control while simplifying set up and maintenance.

Unique to the industry and evolved from broad application expertise, the Eclipse Series PRA6 Rotary Actuator is an exceptional control for industrial burners, valves and dampers. Typically, it is used with an electronic controller to provide precise regulation of a process temperature. The drive shaft of the actuator attaches directly to a butterfly valve and rotates the valve to adjust flow to a burner.

Simplified Operation

Using the power of a microprocessor easily allows the incorporation of new features that were too cumbersome to implement with older technologies.

- Display indicates the shaft position and direction of travel.
- Keypad allows local manual position control.
- Keypad provides easy access for adjustments to the stroke, rotation direction, and auxiliary switch settings.
- Adjustments are set digitally assuring precision and repeatability.

Optimum Versatility

The solid-state electronics and fully programmable nature optimally fit this actuator for use in a wide variety of control schemes from simple manual



or switch control, to single loop controls, to highly sophisticated computer control systems.

- Space-saving design that can be mounted in any orientation.
- High positional resolution and repeatability improves control accuracy.
- Multiple inputs for positioning, including both 4-20mA and 0-10VDC.
- Adjustable set position for the condition of an open circuit input.
- Two adjustable auxiliary outputs for position feedback.
- Built to withstand dirt and liquids.

Programmable Rotary Actuator

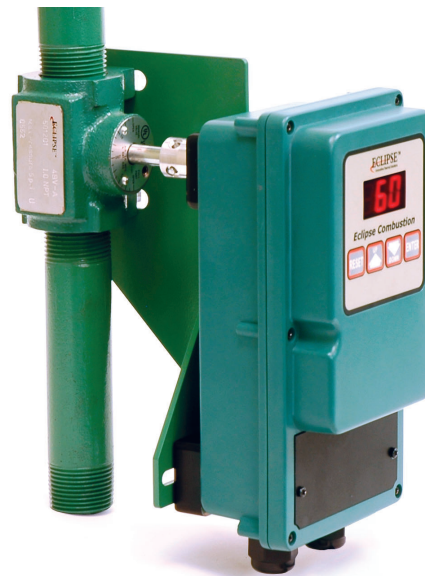
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Improved Reliability

The PRA6 provides dependable and consistent operation by reducing and simplifying the mechanical drive components and by eliminating linkage rods and connectors.

- The reduction of components and simplification of the mechanical drive increases life expectancy.
- Direct coupling eliminates problems caused by old fashioned linkage rods and loose connectors.
- The advanced design provides a low internal temperature for increased motor life.
- NEMA-4 weather-tight, sealed construction avoids the expense, space, and weight of additional protection.

Innovative technology makes the Series PRA6 Rotary Actuator the superior choice for burner valve control.



PRA6 Rotary Actuator directly coupled to an Eclipse BV-A butterfly valve assures smooth and simple operation.