

Honeywell R7999A1005

R7999A1005 | Honeywell ControlLinks Fuel Air Controller

CONTROLINKS FUEL AIR CONTROLLER

100-120VAC

USED TO CONTROL THE ML7999 UNIVERSAL PARALLEL POSITIONING ACTUATORS

7-24 POINT PROFILES

REMOTE RESET INPUT

-40-140 DEGREE AMBIENT TEMPERATURE RANGE

FEATURES

- ï Fast burner setup via PC or laptop.
- ï Fuel, air, FGR profile download capability.
- ï Two independent fuel profiles with or without FGR.
- ï 7 to 24 point profiles.
- ï Programmable behaviors of all actuators during Purge and Standby.
- ï Programmable behavior of nonselected fuel actuator.
- ï Independent lightoff and minimum modulation positions.
- ï Wide power voltage input range (50/60 Hz); two models cover global applications.
- ï Auto/Manual input.
- ï Manual mode firing rate input.
- ï Pluggable controller to wiring subbase.
- ï Multipurpose communications port.
- ï Field-configurable device.
- ï Integrated boiler shock protection algorithms:
 - ó Water temperature low fire hold.
 - ó Stack temperature low fire hold.
 - ó FGR and low fire hold.
- ï Selectable FGR hold based on stack temperature.
- ï Programmable behavior of FGR actuator during purge.
- ï Maximum modulation limit capability.
- ï Remote reset input.
- ï Automated actuator endpoint seeking process.
- ï UL, FM, CSA, CE Approved, CSD-1 and NFPA acceptable.

ControlLinks Fuel Air Controller, 100-120Vac, Used to Control the ML7999 Universal Parallel

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Positioning Actuators, 7-24 Point profiles, Remote Reset Input, -40-140 Degree Ambient Temperature Range, 90% RH Maximum Non Condensing Operating Humidity Range

Information About R7999A1005

The R7999A1005 is a key component in Honeywell's ControlLinks parallel positioning system, engineered to control the ML7999 series universal actuators. It supports modulating profiles with 7 to 24 control points, enabling tailored fuel-air ratio control across the burner firing range. Designed for integration into boiler and burner management systems, the unit features a remote reset input, making it suitable for installations requiring offsite or automated recovery functions. It operates in ambient conditions ranging from -40° F to 140° F, ensuring reliable performance in both indoor and outdoor enclosures.

Key Features:

Multi-Point Fuel/Air Profiles: Supports 7 – 24 point profile configurations for accurate modulation of combustion systems.

Designed for ML7999 Actuators: Seamlessly coordinates fuel and air control through parallel positioning logic.

Remote Reset Capability: Accepts external input to reset controller without manual access.

Wide Ambient Operating Range: Functions in extreme environments from -40° F to 140° F.

Microprocessor-Based Control: Offers reliable, repeatable actuator positioning and fault handling.

Flexible Installation: Compatible with various burner management systems and control panel designs.

AC Powered: Operates on standard 100 – 120 VAC for straightforward wiring in boiler rooms.

Combustion Efficiency Optimization: Reduces fuel consumption and emissions by tightly regulating air/fuel ratio.

The R7999A1005 enhances burner system performance by providing scalable control over fuel-air ratio and coordinated modulation of actuators.

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com