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Field Controls 6MG1

Field Controls 6-inch MG-1 Gas Draft Control/Regulator

MODEL: 6MG1



An image showing the Field Controls MG-1 Gas Draft Control Regulator, a circular metal device with a clear cover and a chain for adjustment.

Introduction

This manual provides essential information for the safe and effective use of your Field Controls 6-inch MG-1 Gas Draft Control/Regulator. This device is designed to provide precise and accurate control of drafts in gas-fired heating systems, particularly in applications where higher draft levels are required than those managed by standard draft diverters.

Setup and Installation

Safety First: Installation of gas appliances and their components should only be performed by qualified and licensed professionals. Improper installation can lead to serious injury, property damage, or death. Always consult local codes and regulations.

The Field Controls MG-1 is designed for installation on the flue pipe of a gas appliance. Key dimensions for this model include:

- **Nominal Capacity:** 28.3 square inches
- **Diameter:** 5-6 inches
- **Circumference:** 15 3/4 to 19 inches

Ensure the installation location provides adequate clearance for the regulator's operation and future maintenance. The device should be securely mounted to prevent movement or vibration.

Operating Principles

The MG-1 Gas Draft Control/Regulator automatically adjusts to maintain a consistent draft in the flue, optimizing combustion efficiency and safety. It operates by opening or closing a damper to regulate the flow of combustion gases. This precise control is crucial for gas appliances that require specific draft conditions for optimal performance and to prevent issues such as incomplete combustion or excessive heat loss.

The regulator's design allows for fine-tuning of the draft, ensuring that the appliance operates within its specified parameters, even when external conditions (like wind or atmospheric pressure) fluctuate.

Maintenance

Regular inspection and maintenance are essential to ensure the continued safe and efficient operation of your Field Controls MG-1 Gas Draft Control/Regulator. It is recommended that a qualified technician perform annual inspections as part of your heating system's routine maintenance.

- **Visual Inspection:** Check for any signs of corrosion, damage, or obstruction around the damper mechanism.
- **Damper Movement:** Ensure the damper moves freely without sticking or excessive play.
- **Cleanliness:** Keep the area around the regulator clean and free of dust or debris that could impede its function.

Do not attempt to lubricate or modify the internal components of the regulator unless specifically instructed by the manufacturer.

Troubleshooting

If you suspect an issue with your gas draft control, it is crucial to contact a qualified HVAC technician immediately. Attempting to diagnose or repair gas appliance components without proper training and tools can be dangerous.

Common indicators of a potential issue might include:

- Unusual noises from the flue pipe.
- Changes in appliance performance (e.g., pilot light extinguishing, inefficient heating).
- Visible corrosion or damage to the regulator.

A technician can assess the draft conditions, inspect the regulator, and perform any necessary adjustments or replacements.

Specifications

Specification	Detail
Manufacturer	Field Controls
Part Number	02724001
Item Model Number	6MG1
Item Weight	2.2 pounds
Product Dimensions	6 x 3 x 6 inches
Included Components	Gas Draft Control
ASIN	B00ICS1GUA
Date First Available	February 10, 2014

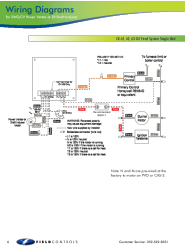
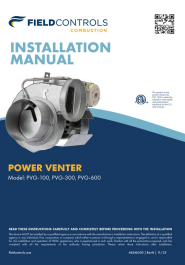




Warranty Information

Specific warranty details for the Field Controls 6-inch MG-1 Gas Draft Control/Regulator are not provided in this document. Please refer to the product packaging or the official Field Controls website for the most current warranty information.

Support and Contact

For technical assistance, installation questions, or service inquiries, please contact Field Controls directly or consult a qualified HVAC professional.

You can find more information about Field Controls products and support on their official website or by visiting their [Amazon Brand Store](#).

	<p>Field Controls CK-61, 62, 63 Oil Fired System Wiring Diagrams</p> <p>Detailed wiring diagrams for Field Controls CK-61, 62, and 63 oil-fired single unit systems, including power venter, draft inducer, primary control, and ignition transformer connections.</p>
	<p>Field Controls Power Venter PVG-100, PVG-300, PVG-600 Installation Manual</p> <p>This installation manual provides detailed instructions for the Field Controls Power Venter models PVG-100, PVG-300, and PVG-600. It covers unit specifications, sizing calculations, safety precautions, installation procedures, wiring diagrams, system checks, maintenance, and troubleshooting for HVAC applications.</p>
	<p>Field Controls SWG/CV Power Venter: Installation, Sizing, and Specifications</p> <p>Comprehensive guide to Field Controls SWG and ComboVent (CV) Power Venters, covering product features, sizing, installation, system planning, clearances, control kits, system setup, and maintenance. Includes detailed specifications and troubleshooting advice.</p>
	<p>Trio Plus Air Purifier User Manual Field Controls</p> <p>Comprehensive user manual for the Field Controls Trio Plus air purifier, covering safety, operation, maintenance, filter replacement, troubleshooting, and specifications.</p>
	<p>Field Controls SWG Sidewall Power Venting Kit Installation Specifications</p> <p>Comprehensive installation specifications for Field Controls SWG series sidewall power venting kits, detailing compatibility, vent pipe requirements, sizing, and general wiring for various furnace manufacturers including Amana, Carrier, Lennox, Rheem, and York.</p>
	<p>Field Controls CAS-34U Combustion Air System Installation Guide</p> <p>Installation and operation guide for the Field Controls CAS-34U Combustion Air System. Learn about specifications, sizing, setup, wiring, maintenance, and troubleshooting for oil and gas appliances.</p>