



Application

UL Listed Type B vent gas fireplaces
Field fabricated wood or gas fired fireplace
Gas or oil fire heating appliances

Function

Integrated 0-10VDC potentiometer to control a draft inducer or power venter with code compliant safety mechanism designed for ECM fault protection

Construction

The NEMA1 enclosure is constructed of ABS plastic

Code Compliance

The MUC is designed to comply with all national code requirements for solid fuel chimney exhaust when used with a fan rated for solid fuel
National Code requires notification for the user upon inducer/venter failure

Warranty

Two year factory warranty

KW USA

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Description

The Multi-Use Control (MUC) is a constant speed controller used to safely exhaust gas or solid fuel fired fireplaces and heating appliances.

Designed for used with electronically commutated motors (ECM), the MUC meets all code requirements for NFPA211, NFPA54, IFGC2012, IMC2012 and UMC2012.

Includes an integrated safety function to verify the pressure is negative or if the motor is functioning properly as required per national and local codes.

Integrated damper contact to open a flue damper
Includes a battery back-up if the control loses power.

Visual and audible alarm if the controller detects a problem with the fan

Standard Features & Equipment

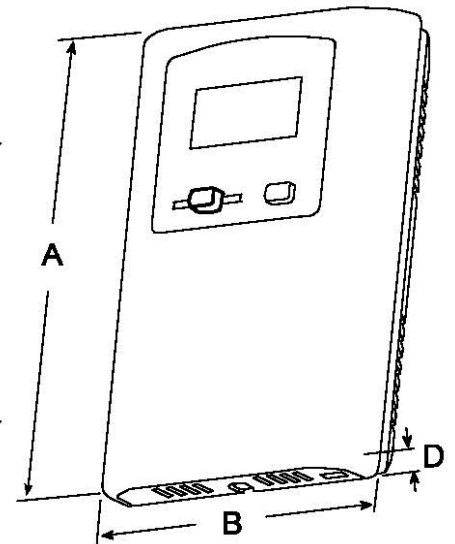
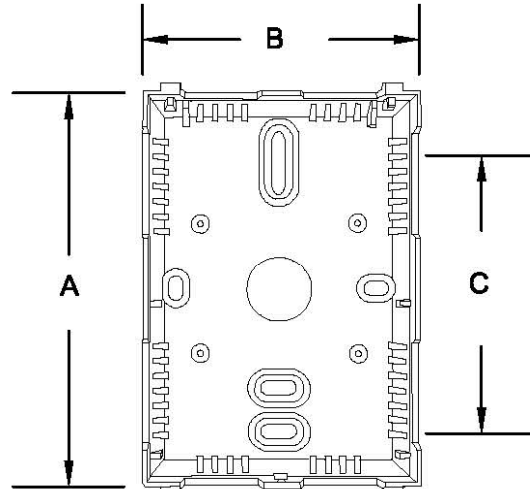
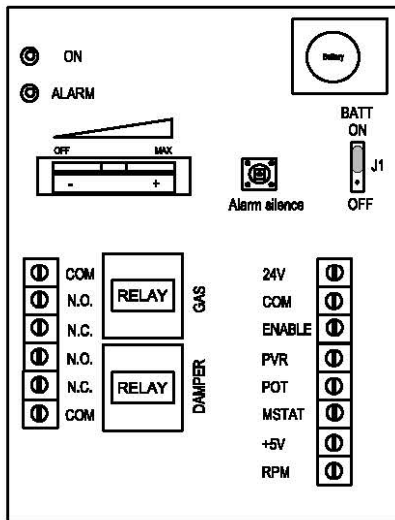
0-10VDC control signal
Interlocks to one appliance
External device interlock
Visual and audible alarm
NEMA1 enclosure

Optional Equipment

GFS - Differential Airflow Switch
SLT - 5' high temperature silicone tubing
VP - 316L SS vent probe
RS1524 - 24VDC power supply
CS75 - current sensing relay

Configuration		
Control System	# of Appliances	Accessories
MUC-SF	1	RS1524
MUC-GF	1	GFS, SLT, VP, RS1524
MUC-GH	1	GFS, SLT, VP, RS1524
MUC-SA	1	CS75, RS1524

Dimensional Information			
A	B	C	D
4-5/8"	3-5/16"	3-1/4"	1-1/8"
Power Requirements			
Voltage	Amps	Frequency	Phase
24VDC	32mA	60	1
Relays		Control Signal	
Voltage	Amps	Voltage	Amps
30VDC-250VAC	5A Res	0-10VDC	0.1



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MUC

Multi-Use Controller

System Descriptions

Gas Heating Appliance System (GH)

The Gas Heating Appliance System (GH) provides a constant volume exhaust for gas fired Category I fan-assisted or draft hooded appliances. The MUC control includes one interlock for a single appliance. Both controllers include a 0-10VDC potentiometer to control fan speed. The GH should only be used with heating appliances equipped with draft hoods or barometric dampers.

Draft Inducers: CB, TRV, T9F, RSD

Solid Fuel Fireplace System (SF)

The Solid Fuel Fireplace System (SF) provides adequate draft for a manually operated appliance such as wood burning fireplaces. When drafting a manually operated appliance NFPA 211 requires several safety functions and listings to safely exhaust the unit. The MUC controller includes battery back up power and when combined with our EC or induction type motors can sense if the motor has failed and provides a visual or audible alarm to the user which is required by national code.

Draft Inducers: CB, TRV, T9F, RSD

Gas Fireplace System (GF)

The Gas Fireplace System (GF) provides adequate draft for gas fired fireplaces. The MUC Controller includes interlocks for a flue damper as well as the required safety interlocks for the fireplace. The MUC controller includes battery back up power and when combined with our EC or induction type motors can sense if the motor has failed and provides a visual or audible alarm to the user which is required by national code. The system also includes a remote enable contact as well as an additional pressure switch safety.

Supply Air System (SA)

The Supply Air System (SA) provides a constant volume of supply air for gas fired appliances. The MUC controller includes two interlocks for up to two heating appliances. The MUC control include a 0-10VDC potentiometer to control fan speed. The SA should only be used where mechanical rooms can relieve pressure to the outdoors.

Supply Fans: ISAB, ISAF, WSAF

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