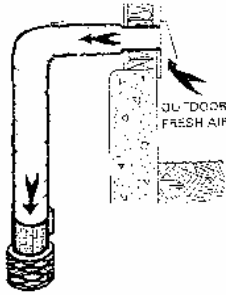
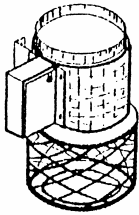


Installation Instructions for HOYME Motorized
REPLACEMENT (MAKE-UP) / VENTILATION AIR CONTROL DAMPER – 24Vac
MAC-for TERMINATING end of duct.



Replacement/Ventilation Air Damper Controls the fresh air inlet. It may be interconnected to Kitchen Fans, Exhaust fans Fireplaces and Heat Recovery Ventilators.

Go to series 'HOM' for combustion air supply.

This installation shall be subject to the approval of the enforcing authority. Air supply and air duct installation shall be in accordance with the National Building Codes and/or local codes.

Refer also to HOYME Installation Instructions: Combustion Air Control Damper, Series HOM; Adaptor 0241-10A (24Vac – switches line voltage); and Adaptor 1101 (line voltage – switches 24Vac).

Specs.:24Vac, 50/60 Hz. Motor 5 watts. Relay Coil 0.05 Amps. A separate transformer 24Vac of sufficient capacity is required for most installations.

INSTALLER must be a trained, qualified person. Name and address of installer and date of installation must be recorded on label located on central body.

MAC Series shall be fastened with screws to the terminating end of an adequately supported air duct.

Wiring diagrams shown are suggestions only and do not limit other ways of wiring.

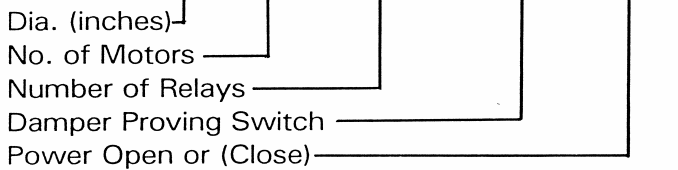
GENERAL INSTRUCTIONS:

1. Install air control damper as per mounting instructions above.
2. Turn off electrical power supply and connect electrical wires as per diagram appropriate to the damper being installed. Follow applicable codes.
3. Connect 24Vac, 50/60 Hz. Transformer of sufficient capacity to 120Vac fan circuit or power circuit as per appropriate wiring diagram below.
4. Connect 24Vac circuit using ample length of wire to reach each damper.
5. Re-check and confirm that choice of damper matches proper wiring diagram.
6. Turn on electrical power supply. Dampers in the open position will now close.
7. Turn on appliance (or switch) and where necessary, cause re-circulating fan to operate. Air control damper(s) will open as per wiring diagram.
8. Affix appropriate labels and follow instructions and warnings on each label.

Damper Identification:

Example: **MAC-0411-SPC**

Series	-	Dia.	Motor	Relay	-	Switch, Type
MAC /	-	04	1	1	-	S PO (C)

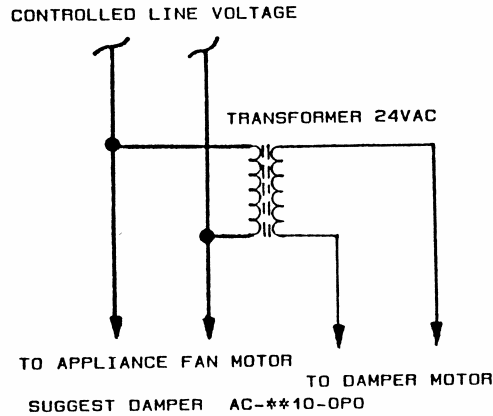


AIR CONTROL DAMPERS are designed to be tight sealing, self cleaning with nylon bearings to provide many years of trouble free service. Damper and Appliance shall be checked annually.

ELECTRICAL WIRING shall be done in accordance with the National Electrical Codes or with Local Codes where they prevail. Additional wire shall be of the same size and type as used with existing control circuits.

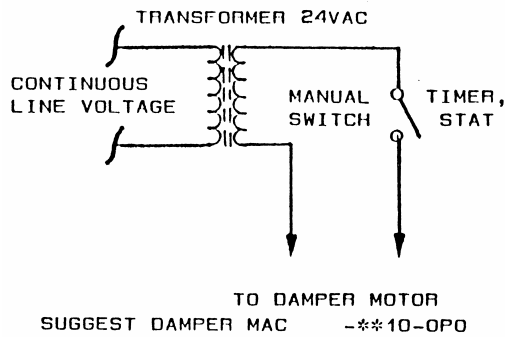
**SELECTED SCHEMATIC WIRING DIAGRAMS
TYPICAL FOR DAMPERS MAC:**

A. – Connected to a controlled 24Vac Transformer. Sugg.: MAC-XX10-OPO

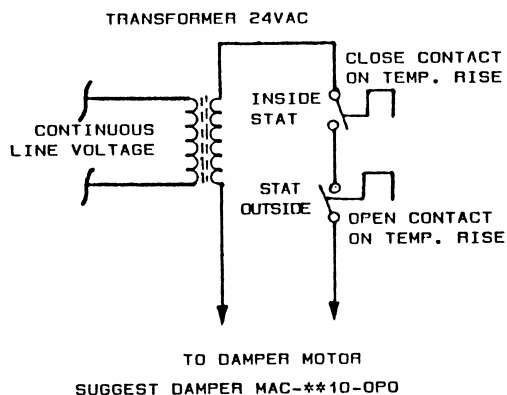


Note: This marking is also on label to be affixed adjacent to appliance wiring diagram.

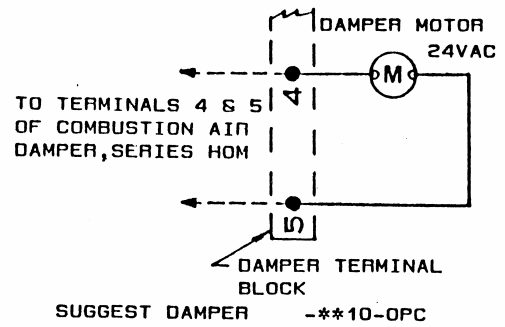
B. – Controlled by an automatic timer, stat or manual switch. Sugg.: MAC-XX10-OPO



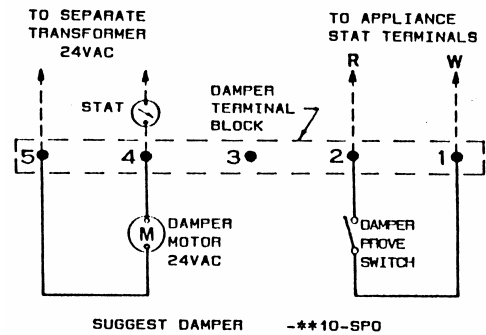
C. – Controlled by inside and outside thermo stats. Sugg.: MAC-XX10-OPO



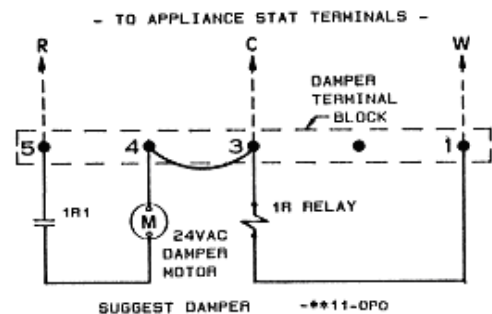
D. – Controlled by Combustion Air Damper, Series HOM. Sugg.: MAC-XX10-OPC



E. – Controlled by a thermostat in series with a separate 24Vac transformer. Damper proving switch replaces the thermostat and is connected to the thermostat terminals of the heating appliance. Sugg.: MAC-XX10-SPO

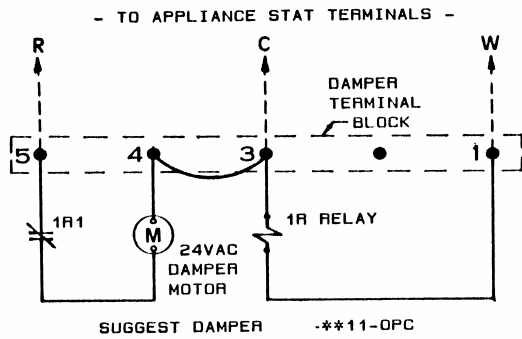


F. – Controlled by appliance thermostat with Damper wire (1) connected to W, Damper wire (3) connected to C and Damper wire (5) connected to R on appliance terminal strip. Damper powers open when thermostat calls for heat. Suggestion: MAC-XX11-OPO



Note: This marking is also on label to be affixed adjacent to appliance wiring diagram.

G. – Controlled by appliance thermostat with Damper wire (1) connected to W, Damper wire (3) connected to C and Damper wire (5) connected to R on appliance terminal strip. Appliance transformer actuates Damper closed when appliance is not firing. Damper opens when thermostat calls for heat.
Suggestion: MAC-XX11-OPC.

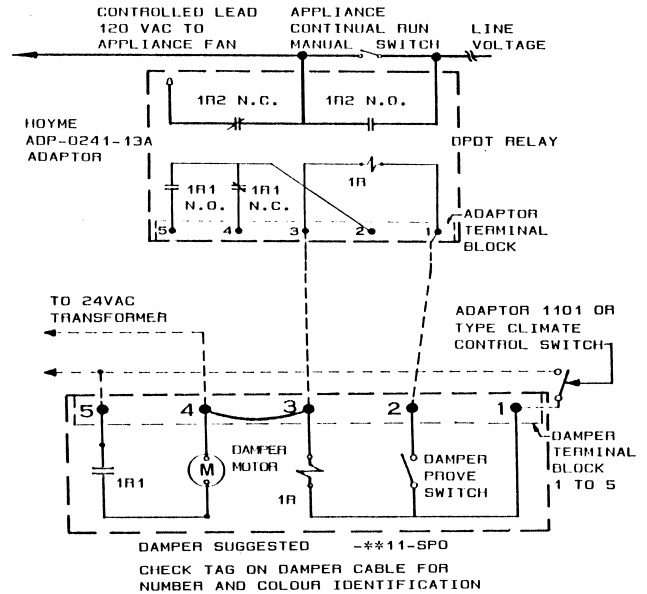


Check tag on Damper cable for number and colour identification.

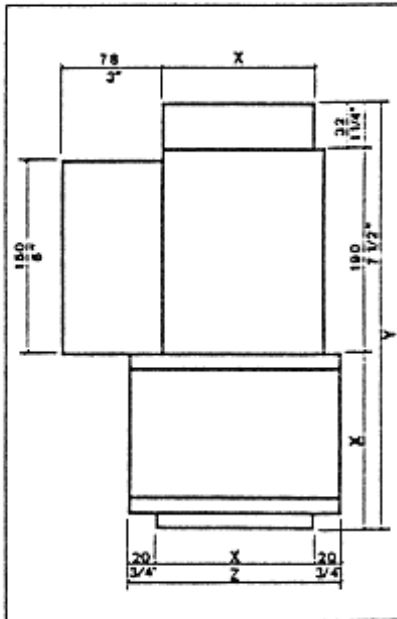
Note: This marking is also on label to be affixed adjacent to appliance wiring diagram.

For more information, please contact
HOYME Manufacturing Inc. @ 1-800-661-7382

H. – Controlled by automatic timer switch, de-humidistat, manual switch or bathroom fan connected to HOYME Adaptor 1101, to be used separately or together in parallel. Re-circulating fan can also be turned on by using HOYME Adaptor 0241-10A as per wiring diagram shown below. Sugg: MAC-XX11-SPO connected to a HOYME Adaptor ADP-0241-10A.



Note: This marking is also on label to be affixed adjacent to appliance wiring diagram.



SPECIFICATIONS AND SIZING INFORMATION

MODEL	SIZE (DIA)	FLOW AREA	'X' DIMENSION	'Y' DIMENSION	'Z' DIMENSION	SHIPPING WT.
MAC	4" (100 mm)	12 in ² (81 cm ²)	4" (100 mm)	11 1/2" (2.90)	5 1/2" (1.40)	4 lbs (1.8 kg)
MAC	5" (125 mm)	19 in ² (126 cm ²)	5" (125 mm)	12 1/2" (3.15)	6 1/2" (1.65)	4 lbs (1.8 kg)
MAC	6" (150 mm)	28 in ² (182 cm ²)	6" (150 mm)	13 1/2" (3.40)	7 1/2" (1.90)	5 lbs (2.3 kg)
MAC	7" (175 mm)	38 in ² (248 cm ²)	7" (175 mm)	14 1/2" (3.65)	8 1/2" (2.15)	5 lbs (2.3 km)
MAC	8" (200 mm)	50 in ² (324 cm ²)	8" (200 mm)	15 1/2" (3.90)	9 1/2" (2.40)	6 lb (2.8 kg)
MAC	9" (225 mm)	63 in ² (410 cm ²)	9" (225 mm)	16 1/2" (4.15)	10 1/2" (2.65)	6 lbs (2.8 kg)