

# ULTRA-ZONE®

Forced Air Zone Controls

## SUBMITTAL SHEET

Model MA-LF24 Actuator  
Model MA-LF120 Actuator

The MA-LF24 and MA-LF120 actuators are easy to install, easy to wire up, and come with a 5 year warranty. The superior design insures long life and no maintenance. The MA-LF series is for On/Off, fail-safe control of dampers with a 1/2 inch shaft. It also provides true spring return operation for reliable fail-safe operation. The spring return system provides consistent torque to the damper with and without power applied to the actuator. The LF Series provides 95° of rotation and can be stalled anywhere in its normal rotation without the need of mechanical end-switches. Power consumption is reduced in holding mode. The actuator is double insulated so an electrical ground connection is not necessary.

### Technical Data

#### Power Supply

LF24 24VAC ± 20%, 50/60 Hz  
24VDC ± 10%

LF120 120 VAC ± 10%, 50/60 Hz

#### Power Consumption

LF24 running 5 W / holding 2.5 W

LF120 running 5.5 W / holding 3.5 W

Transformer Sizing 7.5 VA (Class 2 power source)

Electrical Connection 3 ft, 18 GA appliance cable

1/2" Conduit connector

Torque 35 in-lb [4 Nm]

Shaft / Axle Size 1/2 Inch

Direction of Rotation CW / CCW reversible mounting

#### Running Time

Motor <40-75 sec.

Spring Average 30 sec.

Humidity 5 to 95% RH Non-Condensing

Ambient Temperature -22°F to +122°F  
[-30°C to +50°C]

Storage Temperature -40°F to +176°F  
[-40°C to +80°C]

Housing NEMA 2 / IP54

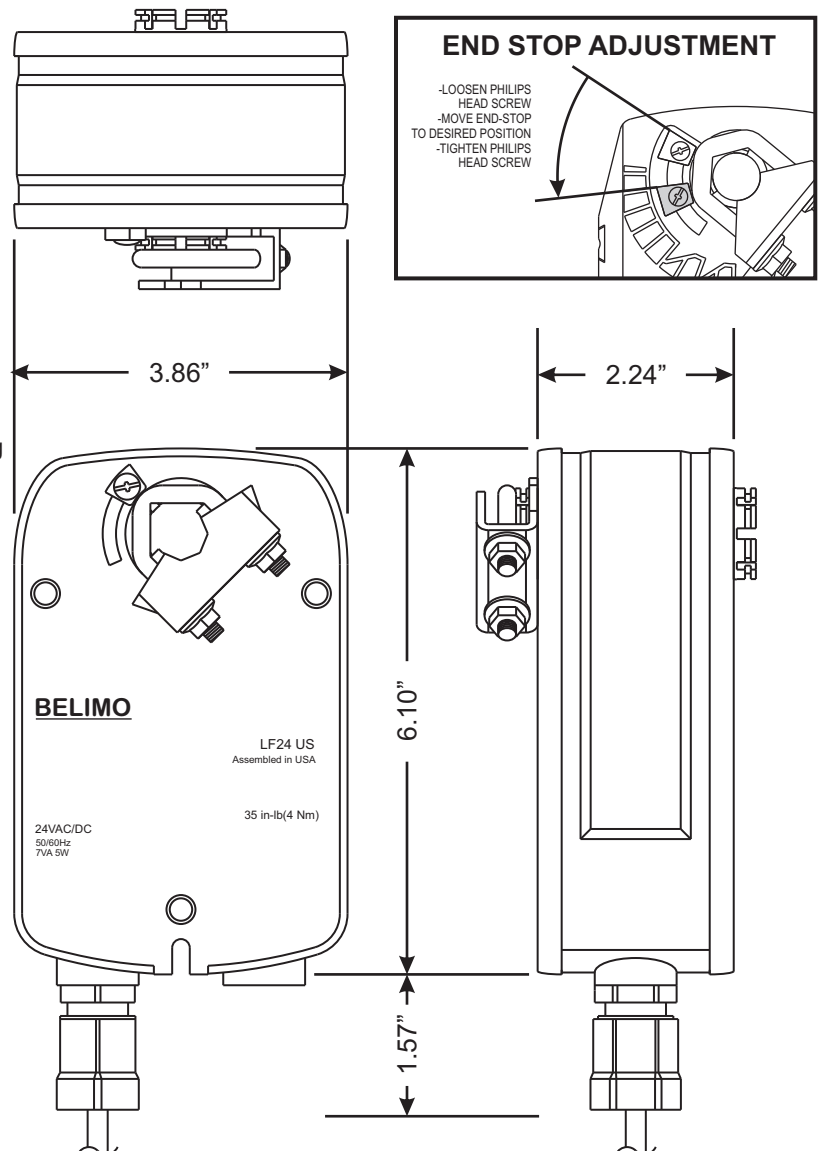
Housing Material Zinc Coated Steel

Agency Listings cULus

#### Noise Level

Motor <50 db

Spring 62 db



### SUBMITTAL FORM

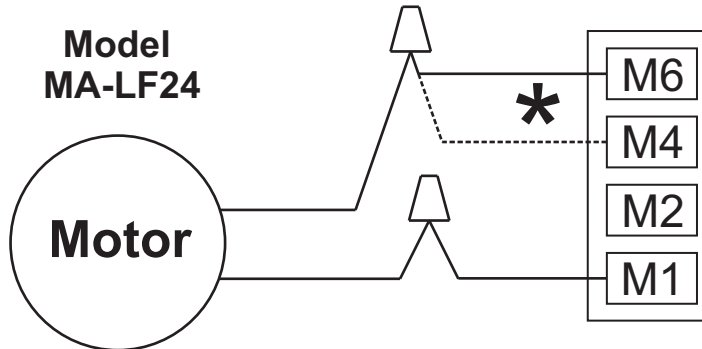
SUBMITTED BY: \_\_\_\_\_  
 JOB: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_



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**WIRING SOLUTIONS**

**Wiring to Zone Control**



- \* WIRE TO M6 IF DAMPER IS POWER CLOSE / SPRING OPEN.
- \* WIRE TO M4 IF DAMPER IS POWER OPEN / SPRING CLOSE.

**Wiring with Field Supplied Control**

