

ARROW

MODELS

ECONO-MOTOR ASSEMBLY
DAMPER ACTUATORS

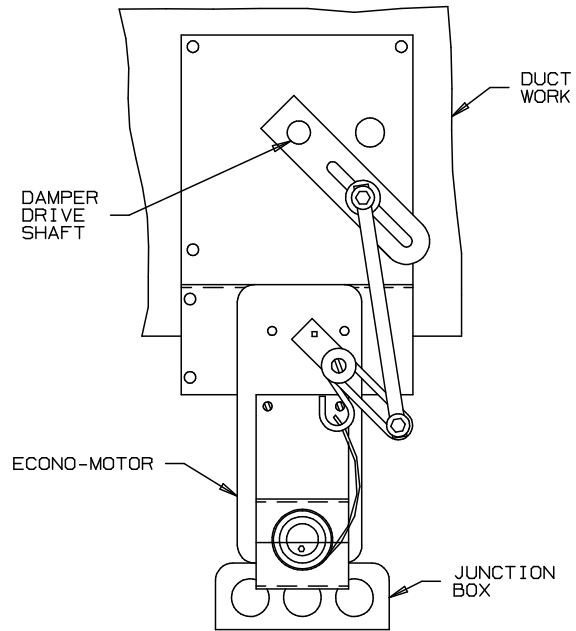
235-115
735-115

235-24
735-24

ELECTRIC - TWO POSITION - SPRING RETURN FOR EXTERNAL DRIVE

THE "ECONO-MOTOR" WAS DEVELOPED BY ARROW FOR APPLICATION ON SMALL DAMPERS AND SHUTTERS WHICH WILL BE OPERATED IN A TWO-POSITION (OPEN-CLOSED) MODE. THE UNITS ARE OFFERED IN MODELS PROVIDING TWO DIFFERENT TORQUE CAPACITIES, EACH AVAILABLE WITH 115 VAC OR 24 VAC SINGLE PHASE MOTORS.

THE MODELS CAN BE PURCHASED SEPERATELY OR WITH ARROW DAMPERS. THE ASSEMBLIES ARE SHIPPED COMPLETE, READY FOR EASY INSTALLATION.



SEE INSTALLATION INSTRUCTIONS,
CATALOG SHEET #661

SUGGESTED MAXIMUM APPLICATIONS

MODELS 735-115 AND 735-24
13 IN.-LB. MAXIMUM TWO-POSITION TORQUE OUTPUT

MULTI-BLADE DAMPERS	ONE BLADE OR 3 SQ. FT.
SB-28 DAMPERS	2 SQ. FT.
ROUND DAMPERS (MODELS 70,75, & 80)	18"Ø MAX
SERIES 500 SHUTTER	5 SQ. FT.

MODELS 235-115 AND 235-24
17 IN.-LB. MAXIMUM TWO-POSITION TORQUE OUTPUT

MULTI-BLADE DAMPERS	THREE BLADE OR 5 SQ. FT.
SB-28 DAMPERS	4 SQ. FT.
ROUND DAMPERS (MODELS 70,75, & 80)	24"Ø MAX
SERIES 500 SHUTTER	8 SQ. FT.

*NOT TO BE USED WHEN LOW-LEAKAGE (TIGHT SEALING) IS A FACTOR.

A SHADED POLE INDUCTION MOTOR IS INCORPORATED IN AN ASSEMBLY WHICH INCLUDES MOUNTING BRACKET, RETURN SPRING, AND LINKAGE WITH CRANK ARM FOR ATTACHMENT TO A 1/2" DIA. DRIVE SHAFT. WHEN POWER IS APPLIED, THE "ECONO-MOTOR" DRIVES INTO POSITION WHERE IT REMAINS STALLED (BY THE ROTATION LIMITS OF THE DAMPERS) UNTIL POWER IS REMOVED. UPON REMOVAL OF POWER, THE SPRING-FORCE RETURNS THE MOTOR AND DAMPER TO THEIR NORMAL POSITION.

BY SIMPLE ALTERATION OF INSTALLATION PROCEDURES, THE UNITS CAN BE ARRANGED FOR EITHER "NORMALLY OPEN" OR "NORMALLY CLOSED" ACTUATION, REGARDLESS OF DAMPER SHAFT ROTATION.

A JUNCTION BOX IS PROVIDED FOR ELECTRICAL CONNECTIONS TO THREE WIRE LEADS (TWO, PLUS GROUND). THE MOTORS ON THE 115VAC MODELS ARE U.L. APPROVED.

OPTIONS AVAILABLE

(CHECK WITH FACTORY FOR LEAD-TIME AND PRICES)

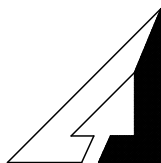
- * VOLTAGE - 207,220, OR 440 VAC, 1 PHASE, 60 HZ
- * 50 HZ UNITS AVAILABLE ON SPECIAL ORDER
- * SUPPLIED WITH CORD AND PLUG, U.L. APPROVED

SHIPPING WEIGHT: APPROX. 6 1/2" LBS.

ELECTRICAL RATINGS

MOTOR	VOLTAGE/PHASE/CYCLES	STALL POWER
235-115	115VAC/1/60	0.29A (35 WATTS)
735-115	115VAC/1/60	0.24A (29 WATTS)
235-24	24VAC/1/60	2.00A (48 WATTS)
735-24	24VAC/1/60	2.00A (48 WATTS)

MOTORS ON 115 VAC MODELS ARE U.L. APPROVED



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