

PRESSURE OPERATORS

3511/3520 (PO) PRESSURE OPERATORS

These 3511 and 3520 Series pressure operated damper controls are for compressor head pressure control of air-cooled air conditioning/refrigeration equipment under low ambient temperature conditions. When lowering outside air temperatures begin to reduce head pressure, the pressure operator modulates the damper louvers, reducing the flow across the condenser. The reduced air flow maintains head pressure at the correct point for the most efficient operation, and keeps running time to a minimum during all low ambient conditions. The 3511/3520's connect to the high pressure side of the system between the condenser and the receiver with 1/4" O.D. tubing.

These pressure operators are compatible with new refrigerants.



ORDERING DATA

UNI-LINE ORDER NUMBER	DIVISION NUMBER	USE WITH REFRIGERANT	START STROKE AT (±15 PSIG)	FULL STROKE AT (±20 PSIG)	STROKE (NOMINAL)	APPROXIMATE SIZE
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3511 SERIES NOMINAL TORQUE PER 10 PSI - 2 IN. LBS.

Operates a louver assembly up to 11 sq. ft. Figures shown are approximate and apply to well balanced, low friction louver assemblies.

3511-012	P011-1201	R12	80 PSIG	140 PSIG	1"	1-1/2" X 11"
3511-022	P011-2201	R22	165 PSIG	240 PSIG		

3520 SERIES NOMINAL TORQUE PER 10 PSI - 10.5 IN. LBS.

Operates a louver assembly of 11 to 25 sq. ft. Figures shown are approximate and apply to well balanced, low friction louver assemblies.

3520-012	P020-1202	R12	100 PSIG	160 PSIG	2"	2-1/4" X 15"
3520-022	P020-2202	R22	170 PSIG	250 PSIG		2-1/4" X 16"
3520-023*	P020-2206	R22	170 PSIG	250 PSIG		

*Special extra-long clevis for replacing "Trane" #13610055-01.

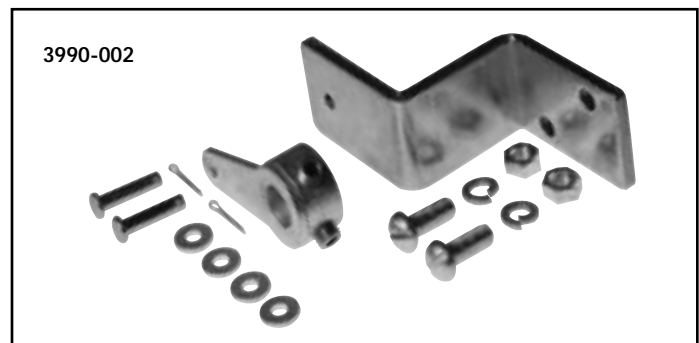
CROSS-REFERENCE

DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.	O.E.M. P/N CROSS-REFERENCE	UNI-LINE ORDER NO.
PO11-0201	3511-022	PO12-2201	3511-022	PO20-2205	3520-022	HF82CR002	3520-022
PO11-1201	3511-012	PO20-1201	3520-012	PO20-2206	3520-023*	HF82CR004	3520-012
PO11-2201	3511-022	PO20-1202	3520-012	PO20-2252	3520-022	13610055-01	3520-023*
PO11-2202	3511-022	PO20-1205	3520-012			13610055-02	SPECIAL ORDER
PO11-2203	3511-022	PO20-1252	3520-012			98292	3511-022
PO11-2206	3511-022	PO20-2201	3520-022				
PO11-5001	3511-012†	PO20-2202	3520-022				

* Special extra long clevis for Trane. † Consider suggested replacement only. Compare its specifications against existing control before using.

3990 PRESSURE OPERATOR MOUNTING ACCESSORIES

The 3990 Series Mounting Kit contains the hardware needed for fast and efficient linkage of Robertshaw pressure operators to most damper louver assemblies.



ORDERING DATA

UNI-LINE ORDER NO.	DIVISION NUMBER	USE WITH PRESSURE OPERATOR	DESCRIPTION
3990-001	131410	3511 SERIES	DAMPER CRANK ARM, MOUNTING NUTS AND LOCK WASHERS.
3990-002	134230	3520 SERIES	DAMPER CRANK ARM, "Z" BRACKET, CLEVIS PINS, COTTER PINS, WASHERS.