

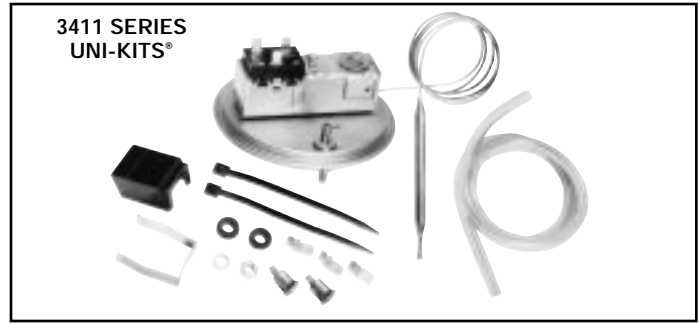
HEAT PUMP CONTROLS

3411 STATIC-PRESSURE-INITIATED HEAT PUMP DE-ICE CONTROL

The 3411 De-Ice Sensor Control Uni-Kits are designed for use on heat pump applications. The 3411 exact replacement models are for replacement of specific De-Ice Sensor Controls, both Robertshaw and competitive devices.

The Uni-Kit models include complete installation instructions, terminal cover and clip, terminating bulb mounting clip, bug filter, 36" plastic tubing, rubber grommets, and mounting nut. Exact replacement models include installation data sheet, terminal cover and clip only, using existing fittings and mounting hardware.

The complete process of defrost initiation and termination is fully automatic, and is accomplished by the use of one signal control. Control monitors frost and ice build-up, or blockage due to leaves and other debris, by sensing pressure change at the outside coil. Control initiates coil defrost by turning off the outside fan motor and tripping the reversing valve to reverse the heat pump cycle. De-Ice Sensor terminates defrost cycle by sensing outside coil temperature. Usable on push through or pull through systems (vacuum or pressure).



ELECTRICAL RATING

RATING	24V	120V	240V	277V
AC FULL LOAD AMPS (IND.)	-	16	8	7.2
AC LOCKED ROTOR AMPS	-	96	48	43.2
PILOT DUTY (VA)	125	750	750	750

ORDERING DATA

UNI-LINE ORDER NO.	DIVISION NUMBER	INITIATION PRESSURE RANGE (WATER COLUMN SETTING)	TERMINATION TEMPERATURE RANGE	PRESSURE CONNECTIONS				CAPILLARY LENGTH	BULB O.D. & LENGTH
				HIGH		LOW			
				3/16" BARB	1/4" MALE FLARE	3/16" BARB	1/4" MALE FLARE		
3411-001*	DS11-1533	0.50" (ADJ)	55° (ADJ)	•		•		36"	5/16" X 4-1/2"
3411-010*	DS11-1555	0.50" (ADJ)	55° (ADJ)		•		•		
3411-090*	DS11-1524	0.51" (FIXED)	55° (FIXED)	•			•		
3411-091	DS11-1528	0.80" (FIXED)	55° (FIXED)		•		•		
3411-092	DS11-1521	0.50" (FIXED)	65° (FIXED)		•		•		
3411-106*	DS11-1517	0.40" (FIXED)	55° (FIXED)	•		•			
3411-152	DS11-1502	0.51" (ADJ)	63° (ADJ)	•		•		60"	
3411-180*	DS11-1518	0.50" (FIXED)	70° (ADJ)	•		•		84"	

*Uni-Kit

CROSS-REFERENCE

3411-3430 (DS) SERIES FACTORY MODELS

DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.	DIVISION NUMBER	UNI-LINE ORDER NO.
DS11-1001	3411-001*	DS11-1084	3411-001*	DS11-1105	3411-001*	DS11-1523	3411-001*	DS11-1555	3411-010
DS11-1002	3411-001	DS11-1086	3411-152	DS11-1106	3411-001*	DS11-1524	3411-090	DS11-2001	3411-001*
DS11-1006	3411-106	DS11-1087	3411-001	DS11-1501	3411-090*	DS11-1525	3411-091	DS11-2002	3411-001*
DS11-1008	3411-152*	DS11-1088	3411-001*	DS11-1502	3411-152	DS11-1527	3411-091	DS11-2003	3411-001
DS11-1011	3411-001*	DS11-1089	3411-106	DS11-1505	3411-001*	DS11-1528	3411-091	DS12-1001	3411-001††
DS11-1014	3411-152	DS11-1090	3411-090	DS11-1506	3411-001*	DS11-1529	3411-091		
DS11-1015	3411-152*	DS11-1091	3411-152*	DS11-1507	3411-001*	DS11-1530	3411-091		
DS11-1019	3411-001	DS11-1092	3411-090*	DS11-1508	3411-001*	DS11-1531	3411-001*		
DS11-1021	3411-152*†	DS11-1093	3411-152	DS11-1509	3411-001*	DS11-1533	3411-001		
DS11-1023	3411-001*	DS11-1094	3411-152	DS11-1510	3411-001*	DS11-1535	3411-010*		
DS11-1034	3411-001*	DS11-1095	3411-152*	DS11-1514	3411-001*	DS11-1543	3411-001*		
DS11-1035	3411-001*	DS11-1096	3411-152 †	DS11-1516	3411-010*	DS11-1544	3411-010*		
DS11-1036	3411-152	DS11-1097	3411-152*†	DS11-1517	3411-106	DS11-1547	3411-001*		
DS11-1045	3411-001*	DS11-1098	3411-001*	DS11-1518	3411-180	DS11-1548	3411-010*		
DS11-1061	3411-001*	DS11-1099	3411-152*†	DS11-1519	3411-010*	DS11-1549	3411-001*		
DS11-1062	3411-001	DS11-1100	3411-152*†	DS11-1520	3411-001*	DS11-1550	3411-010*		
DS11-1077	3411-001*	DS11-1102	3411-152*	DS11-1521	3411-092*	DS11-1552	3411-010*		
DS11-1080	3411-180	DS11-1104	3411-001*	DS11-1522	3411-001*	DS11-1554	3411-010*†		

3411-3430 SERIES O.E.M. PART NUMBERS

O.E.M. PART NO.	UNI-LINE ORDER NO.	O.E.M. PART NO.	UNI-LINE ORDER NO.	O.E.M. PART NO.	UNI-LINE ORDER NO.	O.E.M. PART NO.	UNI-LINE ORDER NO.
025-13963-000	3411-010*	21D109697-P06	3411-090*	67F0101	3411-010*		
0365-108	3411-001*	21D109697-P07	3411-091	71885	3411-001*		
104258001	3430-001	21D109697-P08	3411-010 †	71889	3411-001*		
15F6501	3411-010*	21D109697-P09	3411-010*†	71891	3411-001*		
19-14-02120-001	3411-010*	21D109697-P10	3411-091	71894	3411-001*		
19-14-02120-004	3411-001*	21D109697-P11	3411-091	71981	3411-001*		
19-14-212C-1	3411-010*	22SC219R	3411-106	71983	3411-001*		
21D109697-002	3411-091	24805-1	3411-001*	8404-30	3411-001*		
21D109697-003	3411-010	325-12260	3411-001*	84F8001	3430-001		
21D109697-P013	3411-091	325-12260-01	3411-180	B37F87	3411-001*		
21D109697-P04	3411-010	29C0201	3411-010*	P-8-11202	3411-010*		
21D109697-P05	3411-090	62A3601	3411-092	P-8-11202-38	3411-010*		

* Use of this Uni-Kit requires field readjustment of inflation and/or temperature settings. Match settings of control being replaced. Note 1/4" turn of inflation range screw changes inflation by 0.038" W.C.

† Consider suggested replacement only. Compare its specifications against existing control before using. Refer to ordering information.

†† Control has pilot duty electrical rating. Replacement is standard duty.