

FUNCTIONAL REPLACEMENTS FOR FAN/BLOWER AND LIMIT CONTROLS

FOR DISCONTINUED MODELS

NOTE: IMPORTANT: Always verify the temperature setting of the original control. Some components listed may no longer be available.

FAN/BLOWER CONTROLS

Model	Unit Size	Description	PN
AEUH	3kW, 5kW, 7kW, 10kW, 12kW	Time delay relay for 120V units	46382
		Time delay relay for all other voltage units	46386
EUH	All	Time delay relay	40994
EEXL	30–400	135°F, refer to Fan/Blower Control Replacement (Models XL(C), EEXL(C), XLB(C), and EEXLB(C)) for installation	147676
CEEXL	30, 45–170, 200–250, 300–400		
CXL	30–105, 140–400		
XL	30–400		
EEXLB	30, 45, 60–105, 125–400	150°F, refer to Fan/Blower Control Replacement (Models XL(C), EEXL(C), XLB(C), and EEXLB(C)) for installation	147677
CEEXLB	30–105, 125–250, 300–400		
XLB	30, 45, 60–105, 125–170, 200–225, 250, 300–400		
CXLB	30–105, 125–170, 200–225, 250, 300–400		
OB	95	Fan and limit control assembly	123977
	140, 190		123973
OUH, OUB, OUE, ROUE	95, 140, 185, 200	Combination fan and limit control	36559
RCG (7.5- and 10-ton)	All (before 1994)	Replacement kit	209184
UA, UB			
CRPV	All (series 5 and 6)		
CX, XE, CXE	All (series 8)		
DFAH, PDFAH	All (before series 6)		
PAK(C), RPAK, RPVAK	1, 2, 3		
PV, PVA, PVB, PVE	All		
RG(H), CRG, CRP, CRPB	All (series 8)		
RGB, CRGB	All		
RGBL(C), PGBL	400–1200		
RX(H), CRX, RPV	All (series 8)		
RX(H), CRX, REB, CREB, RPV, CRPV, RPVE, RPBE	All (series 6 and 7)		
CRPV(H)	All (series 5 and 6)		
RX(C), RX(H), RX(HC), RXE, RXJ, RXG, RXR, REB, RPV, RPBE, RPVE, RPVJ	All (before series 6 except (H)CRPV-5)		
SCA, SCB, SCD, HSC	All (before series 5)		
X(H), CX, XE, CXE	All (series 6 and 7)		
X(H), X(C), X(HC), XE	All (before series 6)		
XA, XB, XC, XD, XJ, XR	All		

IMPORTANT

- Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
- In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here.
- Order by Part Number (PN) not by option designation.

WE RESERVE THE RIGHT TO SUBSTITUTE FUNCTIONAL REPLACEMENTS.

FAN/BLOWER CONTROLS—CONTINUED

Fan/Blower Control Replacement (Models XL(C), EEXL(C), XLB(C), and EEXLB(C))

1. Turn OFF gas and electric.
2. Locate existing fan/blower control (see [Figure 1](#)). Disassemble heater as necessary to access fan/blower control.

NOTE: Earlier models have the fan/blower control seated directly on the heat exchanger base—remove the fan control only.

3. Disconnect fan/blower control wires and remove existing fan/blower control. If control is on spring-loaded bracket as shown in [Figure 1](#), remove entire bracket assembly.

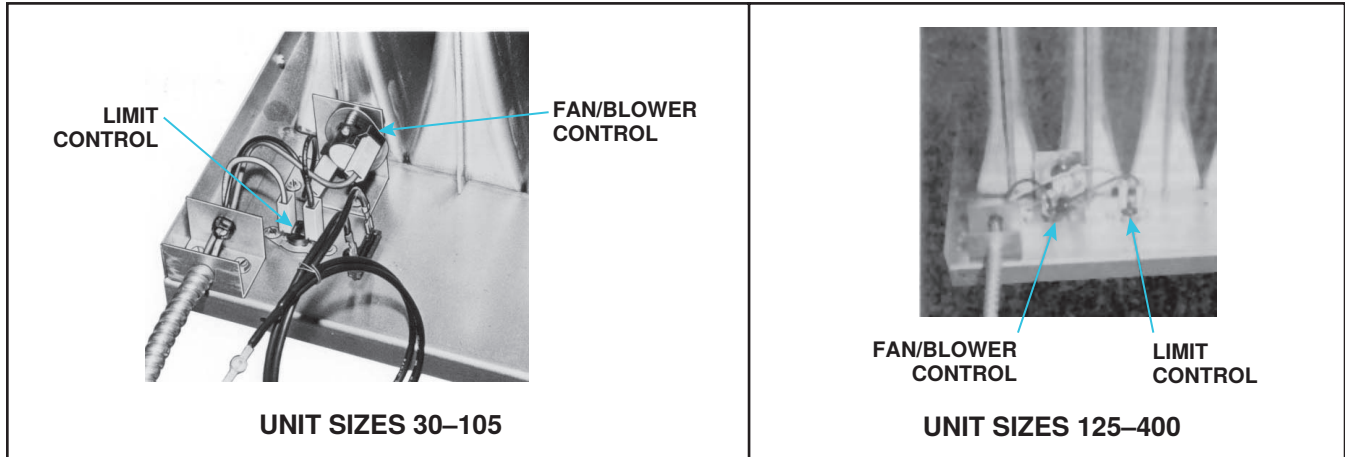


Figure 1. Existing Control Locations

NOTE: Position the replacement fan/blower control as close as possible to the heat exchanger seam without touching—allow approximately 1/2-inch (13-mm) clearance. It is important that the spring action of the control bracket allows the control to contact the heat exchanger tube.

4. Position replacement fan/blower control (see [Figure 2](#)):
 - a. For unit sizes 30–105, position fan/blower control bracket assembly to **right** of **first** heat exchanger tube as shown.
 - a. For unit sizes 125–400, position fan/blower control bracket assembly to **left** of **second** heat exchanger tube as shown.

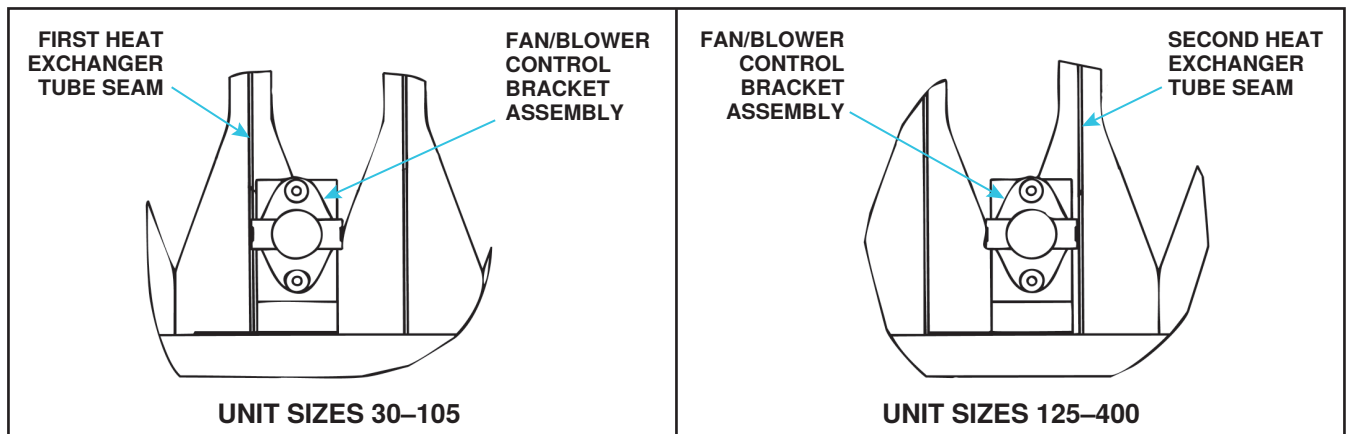


Figure 2. Replacement Control Locations

NOTE: If the existing fan/blower control does not include a bracket, use the left hole and drill a #20 bracket mounting hole.

5. Secure fan/blower control using screws from kit and reconnect control wires
6. Reassemble heater as necessary.
7. Light heater and check for proper operation.

LIMIT CONTROLS

Model	Unit Size	Description	PN
RDF	All	135°F, auto, pink	86979
		150°F, manual	82610
		306°F, flame safety limit	82414
RECB, REDB	All	Electric heat section, auto, orange	122856
RG(H), CRG, CRP, CRPB	All (series 8)	125°F, auto, white	50417
RGBL(C), PGBL	400, 500, 600, 700, 800, 1050, 1200 (<i>after</i> NOV 1996)	^E 145°F, auto, blue	50418
		^E 270°F, auto	148588
	500, 600, 700, 800, 1050, 1200 (<i>after</i> NOV 1996) 1050, 1200 (<i>after</i> NOV 1996)	^E 170°F, auto, green	57953
		^D 125°F, auto, white	50417
RX(H), CRX, RPV	All (series 8)	125°F, auto, white	50417
X(H), CX, XE, CXE	All (series 8)	125°F, auto, white	50417
AEUH	3kW	120°F, auto, white	45534
	5kW	140°F, auto, white	45535
	7kW	170°F, auto, white	45536
	10kW	210°F, auto, white	45537
	12kW	230°F, auto, white	45538
	100–250	125°F, auto, white	50417
AHCA, AHDA	300	145°F, auto, blue, heat section	50418
		170°F, heat section	57953
	350	125°F	50417
	400–700	145°F, auto, blue, heat section	50418
		170°F, discharge heat section	57953
	All	270°F, auto, heat section	148588
CRPV	All (series 5 and 6)	125°F, auto, white	50417
DFAH, PDFAH	All (<i>before</i> series 6)	145°F, auto, blue	50418
DFAH, DFAV	All	180°F, manual	163133
		275°F, ECO device	121275
DV	109–122	190°F, manual	161437
	125	205°F, manual	161433
	All	306°F, ECO device	82414
EUH	All	125°F, auto, white	50417
EEXL	30–400	180°F, auto, white	45602
CEEXL	30, 200–250		45602
EEXLB	30, 45, 125–400		45602
CEEXLB	30–105, 300–400		45602
CEEXL	45–170, 300–400	200°F, auto, yellow	85449
EEXLB	60–105	160°F, auto, red	82091
CEEXLB	125–250	200°F, auto, yellow	85449
FT	30, 45, 60, 75	High Limit, (180°F)	45602
	30, 60	275°F, flame rollout limit	121275
	45	225°F, flame rollout limit	112752
	100–200	220°F, high limit	155764
	250–300	150°F, fan back limit	100799
		200°F, high limit	155765
OB	95	Fan and limit control assembly	123977
	140, 190		123973

LIMIT CONTROLS—CONTINUED

Model	Unit Size	Description	PN
PAK(C), RPAK, RPVAK	1 (series 6)	125°F, auto, white	50417
	1 (<i>before</i> series 6)	145°F, auto, white	50418
	2, 3	125°F, auto, white	50417
		^F 170°F, auto, green	57953
	3	^F 155°F, auto, yellow	19080
PCCA, PCDA	100–250	125°F, auto, white	50417
	300, 400–700	145°F, auto, blue, heat section	50418
		170°F, discharge heat section	57953
	350	125°F	50417
	100–700	270°F, auto, heat section, linear limit	148588
OUE, OUB, OUE, ROUE	95, 140, 185, 200	Combination fan and limit control	36559
PV, PVA, PVB, PVE	All	145°F, auto, blue	50418
RDCA, RDDA	100	240°F, auto, gas heat section, linear limit	201741
	150–700	270°F, auto, heat section, linear limit	148588
RECA, REDA	All	Auto, orange, electric heat section	122856
RCG (7.5- and 10-ton)	All (<i>before</i> 1994)		
RGB, CRGB	All	125°F, auto, white	50417
RGL(C)	400	125°F, auto, white	50417
	500, 600, 700, 800, 1050, 1200	^E 170°F, auto, green	57953
	1050, 1200	^E 155°F, auto, yellow	19080
RX(H), CRX, REB, CREB, RPV, CRPV, RPVE, RPBE	All (series 6 and 7)	125°F, auto, white	50417
CRPV(H)	All (series 5 and 6)		
RX(C), RX(H), RX(HC), RXE, RXJ, RXG, RXR, RPV, REB, RPBE, RPVE, RPVJ	All (<i>before</i> series 6 except (H)CRPV-5)	145°F, auto, blue	50418
SCA, SCB, SCD, HSC	All (<i>before</i> series 5)	145°F, auto, blue	50418
SCA, SCB	All	306°F, ECO limit control	82414
SFT	45–75	180°F, high limit)	45602
		180°F, flame rollout limit	157282
	100–200	220°F, high limit	155764
	250–300	200°F, high limit	155765
UA, UB	All (<i>before</i> 1994)		
X(H), CX, XE, CXE	All (series 6 and 7)	125°F, auto, white	50417
X(H), CX, XE, CXE	All (with standing pilot and spark pilot <i>before</i> DEC 1999)	306°F, ECO limit control	131450
X(H), X(C), X(HC), XE	All (<i>before</i> series 6)	145°F, auto, blue	50418
XA, XB, XC, XD, XJ, XR	All		
XL	30–400	180°F, auto	45602
CXL	140–400		
XLB	30, 45		
CXLB	30–105		
CXL	30–105	200°F	85449
XLB	60–105, 300–400	160°F	82091
CXLB	300–400		
XLB, CXLB	200–225	180°F, auto	45602
XLB, CXLB	125–170	200°F	85449
XLB, CXLB	250	160°F	82091
XL, CXL, XLB, CXLB	All (with standing pilot <i>after</i> APR 1983)	306°F, ECO limit control	82414

NOTES

