

HEATING COMPONENTS

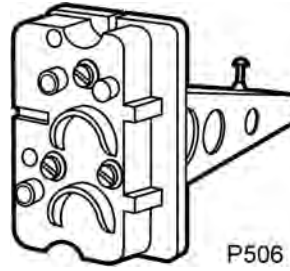
FAN, LIMIT CONTROLS

LIMIT CONTROLS



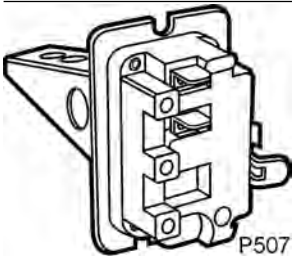
- Manual reset
- For line or low voltage circuit
- Differential limit 25° F
- Non-adjustable settings
- Element length: 3"

FAN CONTROLS



- Knurled shafts for adjustment of temperature setting and differential
- Slotted for two screw mounting
- Switch type: SPST
- Temp setting: fan off – adj. 80° F - 120° F
- Fan differential: adj. 20° F - 50° F

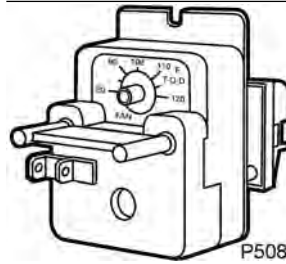
PART NO	SWITCH TYPE	TEMP SETTING (°F)	
		OPENS	CLOSES
HH12AD204	SPST	200	175



- Temp setting:
adj. 160° - 250°F
(HH12ZA008) (HH680400)
adj. 150° - 250°F
(HH12ZA011)(HH680405)
- Differential: 30° F
- Switch: SPST

PART NO	ELEMENT LENGTH (in)
HH12ZA008	3-3/8
HH680400	3
HH680405	7-3/8
HH680405	7

PART NO	ELEMENT LENGTH (in)
HH12AB140	7
HH12AB141	3



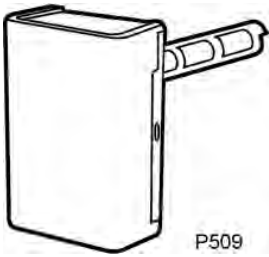
- Quick connect terminals
- 24-volt fan assist heater
- Tube construction for strength
- Slotted for 2 screw mounting
- Switch type: SPTF
- Adjustable fan settings
- Temp. Setting: fan off – adj. 80° F - 120° F
- Fan differential: 30° F

PART NO	ELEMENT LENGTH (in)
HH12HA070	1-1/4

HEATING COMPONENTS

FAN, LIMIT CONTROLS

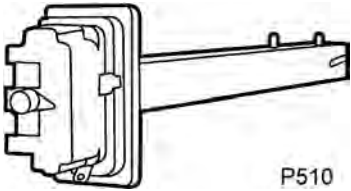
TOTALINE® COMBINATION FAN, LIMIT CONTROLS



- Manual fan switch
- Individual fan and limit switches
- Helical bi-metal for precise setting
- SPST switch
- Adjustable settings
- Differential: limit - 25°F

- Temperature setting:
Fan off/on – ADJ. 90°F-135°F (P232-0001,0002)
– ADJ. 90°F-130°F (P232-0003)
Limit Opens – ADJ. 100°F-250°F (P232-0001,0002)
– ADJ. 100°F-220°F (P232-0003)

ELEMENT LENGTH (in.)	P/N	ELEMENT LENGTH (in.)	P/N
8	P232-0001	11.5	P232-0003
5	P232-0002		

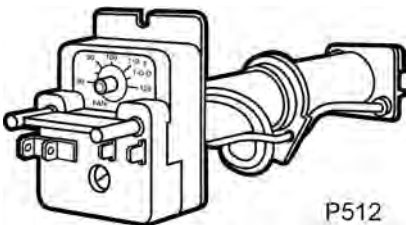


- With fan assist heater to prevent nuisance fan starting
- Individual sensing elements
- Bi-metal actuated
- Switch type: SPST
- Differential: fan - 80° F, except HH12KA250 which is 50° F limit - 30° F
- Element length: 7" (except HH12ZW125 which is 5")

- Temp setting: fan off -ADJ. 90° F-120° F
Limit opens – see chart below

TEMP. SETTING LIMIT OPENS (°F)	SETTINGS ADJUSTABLE	P/N
250	FAN	HH12KA250
190	FAN	HH12KD020
150-250 ADJ	FAN, LIMIT	HH12KD021*
150-250 ADJ	FAN, LIMIT	HH12KD022*
220	FAN	HH12KD023
125	FAN	HH12KD024
170	FAN	HH12KD025
125	FAN	HH12ZW125

*With Shield. **Without Shield.

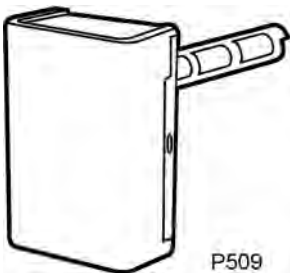


- Slotted for 2 screw mounting
- Rigid tube construction
- 24 volt fan assist heater
- Quick connect electrical terminals
- Switch type: SPST
- Differential: fan - 35°F; limit - 40° F

- *Temp setting: fan off – ADJ. 80°F - 120°F
limit opens - see chart below

TEMP. SETTING LIMIT OPENS (°F)	SETTINGS ADJUSTABLE	P/N
259	5-3/4	HH680505

COMBINATION FAN, LIMIT CONTROLS



- Individual fan and limit switches
- Helical bi-metal for precise setting
- SPST switch
- Adjustable settings
- Differential: limit -25°
- Temperature setting:
Fan on - 20 to 90 seconds after fan assist heater energized (HH12AT016)
Fan off - ADJ. 100° F
Limit opens - ADJ. 150° F-250° F

- Temperature setting:
Fan off/on -ADJ. 90°F-135°F(HH12AT005,008)
-ADJ. 90°F-130°F (HH12AT015)
Limit opens -ADJ. 100°F-250°F (HH12AT005,008)
-ADJ. 100°F-220°F (HH12AT015)

ELEMENT LENGTH (in.)	P/N	ELEMENT LENGTH (in.)	P/N
5	HH12AT005	11.5	HH12AT015
8	HH12AT008	8	HH12AT016

HEATING COMPONENTS

FAN, LIMIT CONTROLS

COMBINATION FAN, LIMIT CONTROLS (cont)

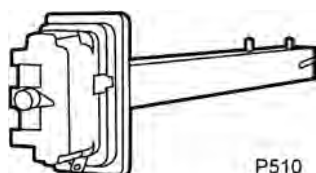


P/N P232-L4064B
Fan and limit control

- Fast response bimetal element with larger surface area allows faster rotation during temperature change response.
- Faster temperature change recognition for safer operation.
- Wider opening steel surrounding bimetal element allows hot gas penetration for faster temperature sensing and improved temperature tracking.

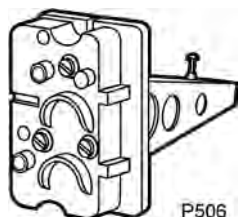
TOTALINE PART NUMBER	HONEYWELL PART NUMBER	DESCRIPTION
P232-L4064B-11	L4064B2210	Fan & Limit 11-1/2"
P232-L4064B-8	L4064B2228	Fan & Limit, 8"
P232-L4064B-5	L4064B2236	Fan & Limit, 5"

SWITCH - COMBINATION FAN AND LIMIT



ELEMENT LENGTH (in.)	SWITCH CLOSSES ADJ. FAN RANGE (°F)	SWITCH OPENS ADJ. FAN RANGE (°F)	SWITCH CLOSSES ADJ. FAN RANGE (°F)	SWITCH OPENS ADJ. FAN RANGE (°F)	P/N
6	90-120	75 FIXED	230 FIXED	30 FIXED	HH680501
7	90-120	35 FIXED	200 FIXED	30 FIXED	HH680502
7	90-120	75 FIXED	240 FIXED	30 FIXED	HH680504
7	90-120	50 FIXED	150-250	30 FIXED	HH680506

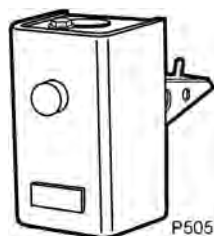
FAN SWITCH - INSERTION TYPE



- Knurled shafts for adjustment of temperature setting and differential
- Slotted for two screw mounting.

ELEMENT LENGTH (in.)	SWITCH CLOSSES ADJUSTABLE FAN RANGE (°F)	SWITCH OPENS ADJUSTABLE FAN RANGE (°F)	SWITCH TYPE	P/N
3	80-120	25 FIXED	SPST	L4068E1047
3	70-140	25-45	SPST	HH680201
3	80-120	65 FIXED	SPST	HH680203
7	70-140	25-45	SPST	HH680204
7	80-110	65 FIXED	SPDT	HH680205

FAN LIMIT SWITCH - INSERTION TYPE



ELEMENT LENGTH (in.)	SWITCH CLOSSES ADJUSTABLE FAN RANGE (°F)	SWITCH OPENS ADJUSTABLE FAN RANGE (°F)	SWITCH TYPE	P/N
7	180 FIXED	10 FIXED	SPDT	HH680401
7	190 FIXED	30 FIXED	SPDT	HH680402
7	200 FIXED	30 FIXED	SPDT	HH680403
7	210 FIXED	30 FIXED	SPDT	HH680404
7	165 FIXED	30 FIXED	SPDT	HH11KT165
7	180 FIXED	40 FIXED	SPST	HH12ZB178
3	160 FIXED	30 FIXED	SPST	HH12ZA162
7	170 FIXED	40 FIXED	SPST	HH12ZA169