FURNACE

3046-5

MERCURY FLAME SENSORS

Prevent Gas Flow to Main Burner if Pilot Flame is Not Burning or Is Insufficient to Properly Ignite Main Burner

FEATURES

- These sensors combine a rugged Snap-Action switch and powerful mercury actuated thermal element.
- May be used with natural, manufactured or mixed gases and with LP gases where means are provided for obtaining automatic pilot gas shut-off.
- Switch may be conveniently mounted in any position.
- Cover is easily removed, making switch terminals readily accessible.
- No button to depress – Sensors are recycling type which require relighting or possible restoration of proper gas pressure to return to operation.

SPECIFICATIONS

Timing	Contacts close approximately 60 seconds after pilot is ignited; open approximately 40 seconds after flame is extinguished
Agency	U.L. recognized and C.S.A. certified, A.G.A. design certified & C.G.A. certified
Dimensions	$2^3/4$"H x $2^1/16$" W x $1^7/8$"D

Model Number	Element Length	Electrical Rating		
		120 VAC	**240 VAC**	**30 VAC**
3046-5	48″	125 VA	125 VA	90 VA

30A46-5

PLUG-IN TYPE MERCURY FLAME SENSORS

Designed for use with White-Rodgers Diaphragm, "Cushioned Power" or "Silent Knight" Gas Valves having Plug-In Receptacle

FEATURES

- Plug-in feature requires no additional electrical connections or mounting devices.
- Sensor combines a rugged Snap-Action SPDT switch and powerful mercury actuated thermal element.
- May be used with natural, manufactured or mixed gases and with LP gases where means are provided for obtaining automatic pilot gas shut-off.
- No button to depress – Sensors are recycling type which require relighting or possible restoration of proper gas pressure to return to operation.
- The SPDT switch can energize ignitor circuit to relight pilot (as with roof top units).

SPECIFICATIONS

Timing	Contacts close approximately 60 seconds after pilot is ignited; open approximately 40 seconds after flame is extinguished
Agency	U.L. recognized, A.G.A. design certified and C.G.A. certified

Model Number	Element Length	Electrical Rating			Comments
		120 VAC	**240 VAC**	**30 VAC**	
30A46-5	48″	125 VA	125 VA	90 VA	stud mount element
30A46-105	12″	125 VA	125 VA	90 VA	sleeve over element, no stud mount

CONTRACTOR TIP: SEE PAGE 44 FOR "CUSHIONED POWER" VALVE SELECTION FOR USE WITH THESE FLAME SENSORS.