

Thermopiles and Thermocouples

Q313 Replacement Thermopile Generators



Q313 Thermopile Generator contains multiple thermocouples connected in series to increase the millivoltage output. The power generated is sufficient to operate an automatic millivolt gas control system, independent of any outside power source.

- Push-in clip, split nut, and adapter assembly for easy pilot burner installation.
- Spade or quick-connect terminals available for millivolt gas control connections.
- Male nut connector for Pilotstat™ safety control power units.
- Available in a variety of lead lengths.

Open Circuit Output: 600 mV to 750 mV
Voltage: 750 mV

Temperature Ratings Cold Junction: 780 F (416 C)
Temperature Ratings Hot Junction: 1400 F (760 C)

Product Number	Lead Length		Connection Type	Resistance	Includes	Used With
	(inch)	(mm)				
Q313A1022	35 in.	889 mm	Spade Terminals	2.89 ohm	1/2 in. thermopile attaching nut	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
Q313A1055	47 in.	1194 mm	Spade Terminals	2.90 ohm	1/2 in. thermopile attaching nut.	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
* Q313A1139	35 in.	889 mm	Spade Terminals	2.89 ohm	push-in clip	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
* Q313A1170	35 in.	889 mm	Spade Terminals	2.89 ohm	PG9 adapter (part no. 393948) and 1/2 in. thermopile attaching nut	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
* Q313A1188	35 in.	889 mm	Spade Terminals	2.89 ohm	push-in clip, 1/2 in. thermopile attaching nut.	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
Q313A1402	35 in.	889 mm	Spade Terminals	2.89 ohms	PG9 adapter (part no. 393948) and 1/2 in. thermopile attaching nut	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners
Q313B1005	35 in.	889 mm	Spade Terminals	2.89 ohm	Junction box for series hookup with high limit switch and 1/2 in. thermopile attaching nut	Q314, Q324, Q327, Q377, Q379, Q382 Pilot Burners

* TRADELINE models • SUPER TRADELINE models

Thermopiles and Thermocouples Selection Guide

Thermopiles/Thermocouples



Contractors depend on Honeywell for easy installation and reliable performance. Built for long service life, the Honeywell Q313A, Q340A and Q390A will meet your service needs.

When selecting a thermocouple or thermopile for your next job, look for these Honeywell features:

- Variety of lead lengths
- Easy installation
- Many accessories included
- Durability

Thermopiles and Thermocouples Selection Guide

Thermocouples						
Lead Length (in.)	Super Tradeline	Tradeline	White-Rodgers	Robertshaw	Husky	Johnson Controls
18	Q340A1066/U	Q390A1095/U	H06E-518, H06E-18	—	K16BT-18	K19AT-18
24	Q340A1074/U	Q390A1046/U	H06E-524, H06E-24	1970-24, 1980-24	K16BT-24	K19AT-24
30	Q340A1082/U	Q390A1053/U	H06E-530, H06E-30	1970-30	K16BT-30	K19AT-30
36	Q340A1090/U	Q370A1061/U	H06E-536, H06E-36	1970-36, 1980-36	K16BT-36	K19AT-36
48	Q340A1108/U	Q390A1103/U	H06E-548, H06E-48	—	K16BT-48	K19AT-48

Thermopiles					
Model	Item	Lead Length (in.)	Connections	Tradeline/Super Tradeline	Notes
Q313	Q313A1022/U	35	Nut & Spade Terminal	Tradeline	—
	Q313A1139/U	35	Clip & Spade Terminal	Super Tradeline	Push-In Clip
	Q313A1170/U	35	Clip & Spade Terminal	Super Tradeline	PG9 Adapter (393948)
	Q313A1188/U	35	Nut & Spade Terminal	Super Tradeline	Push-In Clip, 1/2 in. Attaching Nut
	Q313A1055/U	47	Nut & Spade Terminal	Tradeline	1/2 in. Attaching Nut
	Q313A1105/B	75	Nut & Spade Terminal	Tradeline	1/2 in. Attaching Nut

For a complete cross-reference, visit www.customer.honeywell.com