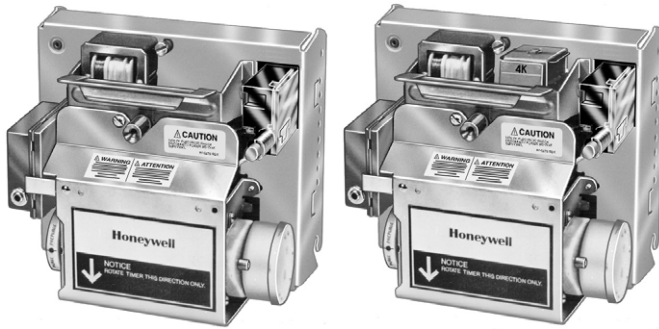


R4140 Automatic Programming Control



Provide flameout protection and automatic sequencing for commercial and industrial single or dual fuel burners.

- Directly replace R4150 for most applications; mount on same Q520A Subbase as R4150.
- Provide safety shutdown on flame failure (lockout).
- Safe-start check.
- Include sequence burner motor, ignition, pilot valve and main fuel valves.

Dimensions, Approximate: 6 5/32 in. high, 7 3/16 in. wide, 5 5/8 in. deep (156 mm high, 183 mm wide, 143 mm deep)

AirFlow Check: User selectable

Humidity Range: 85% RH continuous, non-condensing

Voltage: 120 Vac

Frequency: 60 Hz

Vibration: 0.5 G environment

Weight (lb): 4 lb. 12 oz (2.15 kg)

Approvals:

Canadian Standards Association: Certified: File No. LR1620, Guide No. A-Z

Factory Mutual: Approved: Report No. 24180

Industrial Risk Insurers: Acceptable

Underwriters Laboratories, Inc: Component Recognized: File No. MP269, Guide No. MCCZ2, MCCZ

Required Components: Q520A Subbase, R7247, R7248, or R7249 Flame Signal Amplifier

Accessories:

123514A Flame Simulator, Rectification Type Flame Amplifiers

Q520A1089 Programmer Subbase

Q520A1121 Programmer Subbase

Q520E1002 Programmer Service Tool

Product Number	Early Spark Termination	Flame Establishing Period		Interlocks	Pilot Type	Pre-Purge	Pre-ignition	Post-Purge	Ambient Temperature Rating		Comments
		Main	Pilot						(F)	(C)	
R4140G1064	Yes, 5 sec	10 sec	10 sec	Start, Running and Low Fire	intermittent	60 sec.	No	15 sec	-40 F to 150 F	-40 C to 66 C	Less Cover
R4140G1171	Yes, 5 sec	60 sec, 30 sec, 10 sec	10 sec	Start, Running and Low Fire	interrupted	70 sec.	No	25 sec	-40 F to 150 F	-40 C to 66 C	Less Cover
R4140G1189	Yes, 5 sec	4 sec, 10 sec	10 sec	Pre-ignition, Running, and Low Fire	interrupted	60 sec.	Yes	15 sec	-40 F to 150 F	-40 C to 66 C	Less Cover (GP201)
R4140L1089	Yes, 5 sec	4 sec, 10 sec	10 sec	Pre-ignition, Lockout, Low Fire and High Fire	interrupted	60 sec.	Yes	15 sec	-40 F to 130 F	-40 C to 54 C	Less Cover (GP301)
R4140L1147	Yes, 5 sec	15 sec, 30 sec, 10 sec	10 sec	Pre-ignition, Lockout, Low Fire and High Fire	interrupted	60 sec.	Yes	15 sec	-40 F to 130 F	-40 C to 54 C	Less Cover
R4140M1038	Yes, 5 sec	10 sec	10 sec	Start and Running	intermittent	42 sec.	—	15 sec	-40 F to 150 F	-40 C to 66 C	Less Cover
R4140M1053	Yes, 5 sec	10 sec	10 sec	Start and Running	intermittent	90 sec.	—	25 sec	-40 F to 150 F	-40 C to 66 C	Less Cover
R4140M1079	—	10 sec	10 sec	Start and Running	intermittent	90 sec.	—	25 sec	-40 F to 150 F	-40 C to 66 C	Less Cover