



35-60 Series for 24VAC

Ignition types: Direct Spark (DSI), Intermittent Pilot (IP) and Hot Surface (HSI)

Typical Applications

- Boilers, Furnaces, Water Heaters, Unit Heaters, Pool Heaters, Commercial Cooking Equipment

SERIES NUMBER	TYPE	DESCRIPTION	ENCLOSURE	DIMENSIONS	APPROVALS
Without Combustion Blower Relay — QC Connections (unless noted)					
35-60	DSI	<ul style="list-style-type: none"> • Full-featured control suitable for any 24VAC DSI application • EN298 approved models available 	Cover & Base	5.69" x 3.97" x 2.30"	
			Board Only	5.50" x 3.75" x 1.98"	
35-608	DSI	<ul style="list-style-type: none"> • QC terminals or Pin Connector • Non-volatile lockout with manual reset • 5A gas valve relay 	Board Only	5.00" x 3.73" x 2.50"	
			Cover & Base	5.20" x 3.95" x 2.50"	
35-602 Mini	DSI	<ul style="list-style-type: none"> • Small footprint Model with multi-pin connector • No LED diagnostics 	Board Only	4.00" x 2.30" x 2.33"	
			Potted Module	5.37" x 2.53" x 2.35"	
35-62	DSI	<ul style="list-style-type: none"> • Dual Point Ignition model with dual flame sensing • Ideal for many Commercial Cooking applications 	Cover & Base	5.69" x 5.31" x 2.30"	
			Board Only	5.5" x 5.12" x 1.84"	
35-63	IP	<ul style="list-style-type: none"> • Up to 90 seconds TFI for pilot applications • Mounts directly on 4" junction box 	Cover & Base	5.69" x 3.97" x 2.30"	
			Board Only	5.50" x 3.75" x 1.98"	
35-63J	IP	<ul style="list-style-type: none"> • Johnson Controls® form/fit/function replacement - All 1/4" QC with Rajah HV terminal 	Cover & Base	4.92" x 3.32" x 2.80"	
			Board Only	4.70" x 3.10" x 2.80"	
35-65	HSI	<ul style="list-style-type: none"> • Remote or Local Flame sensing in same unit • CSA, EN298 and FM approved models available • Optional dual 120/240 VAC model available 	Cover & Base	5.69" x 3.97" x 1.62"	
			Board Only	5.50" x 3.75" x 1.85"	
With Combustion Blower Relay — QC Connections					
35-61	DSI	<ul style="list-style-type: none"> • Airflow Switch monitoring and diagnostics • EN298 approved models available 	Cover & Base	5.69" x 3.97" x 2.30"	
			Board Only	5.50" x 3.75" x 1.98"	
35-66	HSI	<ul style="list-style-type: none"> • Airflow Switch monitoring • Optional Dual Speed Blower • Optional dual 120/240 VAC model available 	Cover & Base	5.67" x 3.97" x 1.62"	
			Board Only	5.50" x 3.75" x 1.85"	
35-67	HSI	<ul style="list-style-type: none"> • Proven Ignition applicable for 400K to 2.5 million BTU • Airflow Switch and Low-voltage monitoring • Manual or Automatic reset with CSD-I versions available 	Cover & Base	5.69" x 5.31" x 1.81"	



35-80 Series for 24VAC

Ignition types: Direct Spark (DSI)

Typical Applications

- Space Heaters; Rooftop HVAC units, Furnaces

SERIES NUMBER	TYPE	DESCRIPTION	ENCLOSURE	DIMENSIONS	APPROVALS
35-80	DSI	<ul style="list-style-type: none"> • Integrated Indoor and combustion blower functions with airflow and limit switch monitoring • Heat/Cool or Heat Only models 	Board Only	5.75" x 4.50" x 1.80"	

NOTE: For detailed product information and specifications, visit www.fenwal.com. If a specific design, capability, or combination of features is not shown, please contact us, as custom control solutions for OEMs are our daily business.