

# **ELECTRONIC CONTROLS**

## **COMMERCIAL ATMOSPHERIC GAS-FIRED BOILERS**

### **ELECTRONIC CONTROL SYSTEMS**

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Electronic control systems have been developed by PB Heat, LLC to provide complete flexibility in the selection of electronic controls for supervision of one to six flame rectified pilots. Systems with suffix letter 'E' provide spark ignition of pilot(s) on each operating cycle. All systems are provided with 100% shut-off assembly.

The electronic systems are described as E1-E thru E6-E. When a prewired panel is included, the suffix 'P' is added, as E1-EP etc. The number indicates the number of flame rectifier pilots furnished (1 to 6).

#### **SPARK IGNITED**

**'E' Systems:** Includes Honeywell Relay Module, three lengths of heat-resistant, moisture-proof wire, terminal block assembly, pilot solenoid valve and ignition transformer with each Q179C spark ignited pilot.

**'P' Prewired Panel Systems:** Includes all parts described for 'E' Systems with Honeywell Relay Module(s) installed in panel(s). Each panel has a color coded terminal strip, 'Power' switch, 'Power On' lamp, 'Control' switch, 'Pilot On' lamp, 'Main Valve' switch, 'Main Valve Open' lamp, 'Flame Failure' lamp and fuse. The following table shows the panels furnished with each 'P' system:

Electronic Control System	Prewired Panels	
	MSP-2239	MSP-2327
E1-EP	1	—
E2-EP	—	1
E3-EP	1	1
E4-EP	—	2
E5-EP	1	2
E6-EP	—	3



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