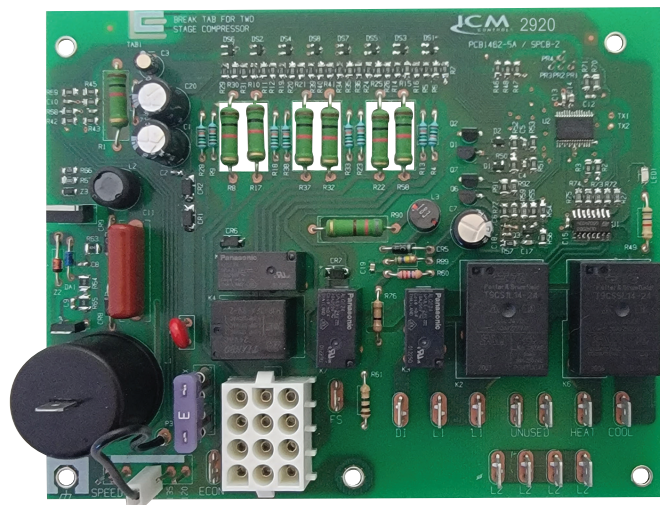




APPLICATIONS:

APPLIANCE | ELECTRICAL | HVAC/R | MARINE | POOL & SPA | RV



OVERVIEW

The **ICM2920** is a form, fit, and functional replacement for the boards shown in the cross-reference section of this guide. The **ICM2920** is an automated gas ignition control board which monitors the ignition sequence including the inducer, pressure switch, spark ignition, gas valve, flame sense, and circulating blower while maintaining full safety circuit monitoring including the high limit switch, roll out switch and auxiliary limit switch circuits. Onboard diagnostics will indicate when a fault condition exists.

REPLACES

- **Goodman:** PCBAG123, PCBAG123S direct spark ignition controls

FEATURES

- ✓ Controls blower motors, gas valve, & spark ignitor in sequence
- ✓ Powers a cooling compressor & protects against short-cycling
- ✓ Selectable heat blower off-delay time
- ✓ Control can be used for 2-stage cooling by removing a tab
- ✓ Flash codes from the onboard LED indicate specific problems for easier troubleshooting
- ✓ Repeated ignition failures or flame losses will disable heat operation for safety

SPECIFICATIONS

INPUT:

- **Voltage:** 24 – 230 VAC (RMS)
- **Control voltage:** 18 – 30 VAC (RMS), 0.15A maximum
- **Frequency:** 50/60Hz
- **Fuse rating:** 3 A

OUTPUT:

- **Relay contact ratings:**
 - **Heat/cool N.O.:** 15A FLA, 30A LRA @230 VAC
 - **Heat/cool N.C.:** 16A FLA, 36A LRA @230 VAC
- **Inducer:** 4A FLA, 4A LRA @ 230 VAC
- **Gas valve:** 1.5A @ 24VAC pilot duty
- **Compressor contactor:** 1.0 A @ 24 VAC