



ICM6701

Water Heater Direct Spark Ignition (DSI) Control



Scan to see a full specifications, installation and agency certification information.

APPLICATIONS:

APPLIANCE

ELECTRICAL

HVAC/R

MARINE

POOL & SPA

RV



REPLACES

- Suburban: 35-525900-113, 520814

FEATURES

- ✓ Direct Spark Ignition (DSI) control board
- ✓ Monitors timing, Trial for ignition, flame sensing and lockout
- ✓ Microprocessor-based precision
- ✓ Designed for 100% gas shutoff in the case of ignition failure

SPECIFICATIONS

- Voltage: 12 VDC
- Current draw: 100mA maximum
- Gas valve: N.O.: 0.5A @ 12 VDC
- Trial for ignition: 7 seconds
- ON delay: 15 seconds

OVERVIEW

With a heat call from the thermostat; the **ICM6701** will begin a 15 second on delay, after the delay the gas valve and spark ignitor are energized and the control will check for the presence of flame. Once flame is detected the spark ignitor is turned off while the gas valve remains energized. Once the thermostat's demand for heat ends, the gas valve is immediately de-energized.

If flame is not sensed after 7 seconds, another 15 second on delay will begin followed by a second ignition sequence. If flame has not been established after three trials for ignition, the control will de-energize the gas valve immediately and the control will go into a hard lockout. To reset the hard lockout; power must be removed from the control for at least 3 seconds.

Content and specifications on sell sheets subject to change without notice.



7313 William Barry Blvd. North Syracuse, NY 13212
www.icmcontrols.com | 1-800-365-5525 | info@icmcontrols.com

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