

GAS BURNER CONTROL

SPARK IGNITION CH10 SERIES



24VAC • Hot Surface Ignitor • HSI with Inducer • Proved Current •
Diagnostics LED • Harmonized Standards

The C10 Series are 24VAC Ignition Controls available in a range of configurations for use in all types of gas-fired appliances:

- CH11 - Hot Surface Ignition
- CH12 - Hot Surface Ignition w/Inducer Blower
- CH16 - Hot Surface Ignition w/Proved Current
- CH17 - Hot Surface Ignition w/Inducer & Proved Current

All CH10 Series Ignition Modules provide high current ignitor output for reliable gas ignition with automatic burner control and flame sensing. Supporting and troubleshooting the appliance is made easy through the on-board bi-color Diagnostic LED and Flame Current Header.

The CH10 Series meets the latest UL 60730-2-5, CE/UKCA EN298:2022, and AGA AS4625 harmonized ignition standards.

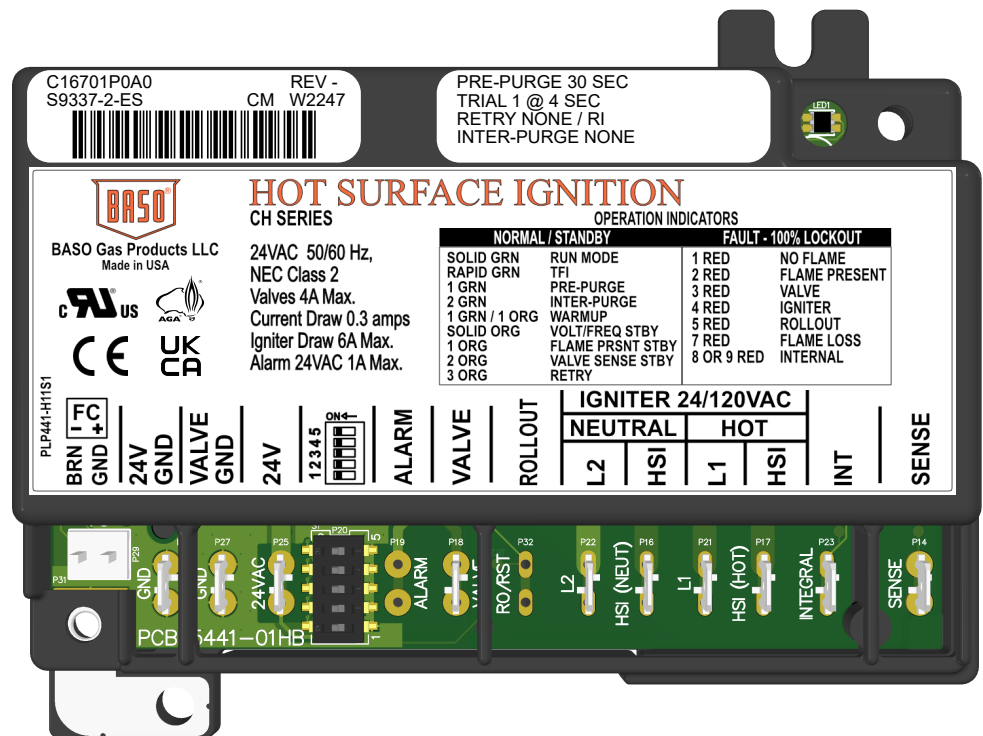
The advanced microprocessor design provides safety monitoring and precise timing of operation sequences.

Applications:

- Commercial Cooking
- Gas Furnaces/Boilers
- Dryers
- Water Heaters
- Outdoor Fire Pits
- Outdoor Heaters
- Other Gas-Fired Appliances

Additional Options Include:

- Automatic reset
- Standoffs/enclosure
- System diagnostics
- Flame current test header
- Built-in burner ground
- Voltage/Frequency monitoring



BASO Gas Products LLC

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CH10 Series - Product Specifications:

Input Voltage	18 - 30VAC, 50/60Hz
Input Current	0.3A @ 24VAC (control only)
Gas Valve Contact Rating	5A @ 24VAC
Hot Surface Ignitor Rating	6A @ 120VAC
Inducer Contact Rating	0.5A @ 120VAC FLA; 3A LRA 0.25A @ 240VAC FLA; 1.5A LRA
Alarm Contact Rating	1A @ 24VAC
Operating Temperature	-40°F to +176°F (-40°C to +80°C)
Flame Detection Type	Local/Internal or Remote/External
Flame Sensitivity	0.1µA minimum
Flame Failure Response Time	1.0 second maximum
Gas Types	Natural, LP, or Manufactured
Flame Sense Cable	48 in. (1219mm) maximum., (Shielded recommended)
Max Size (LxWxH) with Enclosure	4.962 x 3.870 x 1.423 in. (126.03 x 98.30 x 36.14mm)
Moisture Resistance	Conformal coated to operate non-condensing to 95% RH
Proved Current	0.4 - 6A (in 0.2A intervals)
Trials Before 100% Shutoff *	1 - 9 trials or Continuous
Trial for Ignition Time *	4, 8, or 12 seconds
Warm-up Time *	4, 7, 17, 34, or 45 seconds
Pre-Purge Time *	0, 4, 5, 10, 15, 20, 30, or 60 seconds
Inter-Purge Time *	0, 5, 10, 15, 30, 60, 90, 240, or 300 seconds
Post-Purge Time *	0, 10, 15, 30, 60, 90, 240, or 300 seconds
Retry (Automatic Reset) *	0, 5, or 60 minutes
Lockout Recovery	Power cycle / Thermostat cycle

* Listed timings are not available for every configuration. Custom timings available. Contact Baso Gas Products for configuration information.

AGENCY CERTIFICATIONS



UL 60730-2-5
File #: M2926



EN298:2022
File #: 704826



EN298:2022
File #: 748250



AS 4625:2008 (R2016)
Cert. No. 9320

RoHS

RoHS Compliant



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