



[Manuals.plus](#) /

› [Durablow](#) /

› Durablow CSA Certified Fireplace Electronic IPI Control Module (IPI-6000-IC) Instruction Manual

## Durablow IPI-6000-IC

# Durablow CSA Certified Fireplace Electronic IPI Control Module (IPI-6000-IC) Instruction Manual

Model: IPI-6000-IC

## 1. PRODUCT OVERVIEW

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The Durablow IPI-6000-IC is a CSA Certified electronic intermittent pilot ignition (IPI) control module designed for gas fireplaces. This module is engineered to provide reliable and safe operation for both Liquid Propane (LP) and Natural Gas (NG) fireplace systems. It meets the latest and strictest 2023 CSA safety standards (CLASS: 263203, 263283), having passed 100,000 cycle tests under extreme conditions, ensuring enhanced durability, stability, and safety.

This control module is a direct replacement for various OEM parts and is manufactured in Taiwan by an experienced producer of fireplace control and valve systems.



Figure 1: Durablown IPI-6000-IC Electronic Fireplace Control Module.

## 2. SAFETY INFORMATION

**WARNING: This equipment must be installed by a qualified electrical technician or service personnel. Failure to do so may result in property damage, personal injury, or death.**

Always disconnect power to the fireplace unit before servicing or installing this control module. Ensure all gas connections are secure and leak-free after installation. Refer to your fireplace owner's manual for specific safety guidelines and procedures.

The Durablown IPI-6000-IC is CSA Certified (File #: 301995), indicating compliance with North American safety standards for gas-fired appliances.



# Certificate of Compliance

Certificate: 80157513 Master Contract: 301995  
 Project: 80157513 Date Issued: 2023-07-31  
 Issued To: DURABLOW CONTROL SYSTEMS LIMITED

1000 Highway 101, Suite 100  
 Cambridge, Ontario N1R 7P9  
 Canada  
 Tel: 905-881-1111  
 Fax: 905-881-1112  
 Email: info@durablow.com

Attention:

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



Issued by:

## PRODUCTS

CLASS - 263203 - FUEL BURNING EQUIPMENT (GAS) Gas Burners, Electrical Equipment for Accessories

CLASS - 263283 - FUEL BURNING EQUIPMENT(GAS)-Gas Burners Electrical Equipment for Accessories-Certified to U.S. Standards

The product is an automatic gas burner control, model IPI-6000, intended to use on fireplace with non-permanent operation.

Model(s)	Input Rated	Output		
		Pilot Valve : 40Ω		Main Valve: 60Ω
		Kick voltage	Hold voltage	
IPI-6000	AC Adapter: 3Vac, 200mA	0.93V~1.24V	0.35V~0.43V	1.00 V to 1.2V
	DC Battery: 3Vdc	0.89V~1.56V	0.25V~0.41V	0.74V to 1.15V

Figure 2: CSA Certificate of Compliance for Durablow IPI-6000.

## 3. COMPATIBILITY

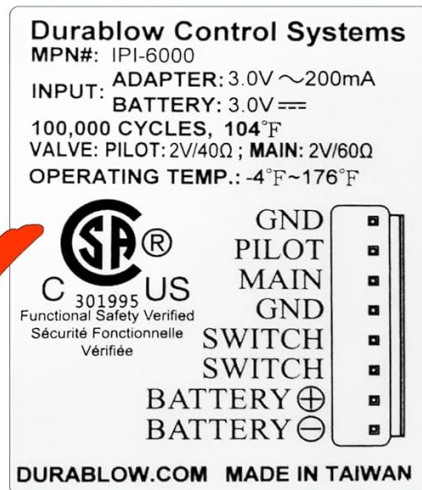
The Durablow IPI-6000-IC is designed as a compatible replacement for numerous OEM control modules. Verify that your existing module matches one of the following OEM part numbers:

- 593-592
- GM-6KA

- GM-6KN
- 350-M
- 6K
- H4674
- IMP-1
- J5760
- J7728
- SRV593-592
- W190-0015
- W190-0022
- 112118-01
- 122118-01
- 5030.02

This module is compatible with a wide range of gas fireplace brands and models. Always consult your fireplace's owner manual for specific part numbers or wiring diagrams to ensure proper fit and function.

# Durablowl IPI-6000



Label might be different, but with same functions and harness wiring as OEMs' .



## Replaces OEM Models / Labels Below

<p><b>DEXEN INDUSTRIES</b>  <b>For Systems With Batteries</b>  <b>As Primary Power Source.</b>  <b>WIRING GM-6KA</b>      GND - BLACK      PILOT - ORANGE      MAIN - GREEN      SWITCH - BROWN      SWITCH - BROWN      POSITIVE - RED      NEGATIVE - BLACK      Input Voltage 3V      Operating Current 200mA      For 3V System Only      Made in Taiwan</p>	<p><b>DEXEN INDUSTRIES</b>  <b>WIRING GM-6KA</b>      GND - BLACK      PILOT - ORANGE      MAIN - GREEN      SWITCH - BROWN      SWITCH - BROWN      POSITIVE - RED      NEGATIVE - BLACK      Input Voltage 3V      Operating Current 200mA      For 3V System Only      Made in Taiwan</p>	<p><b>DEXEN INDUSTRIES</b>  <b>WIRING</b>      BLACK - TP      ORANGE - TP&amp;TH      GREEN - TH      BROWN(2) -      THERMOSTAT      RED - (+)      BLACK - (-)      3V IGNITION CONTROL UNIT      INPUT VOLTAGE 3V      OPERATING CURRENT 200mA      FOR 3V SYSTEM ONLY      MADE IN TAIWAN</p>	<p><b>WIRING</b>      BLACK - TP      ORANGE - TP&amp;TH      GREEN - TH      -      BROWN(2)-      THERMOSTAT      RED - (+)      BLACK - (-)      3V IGNITION CONTROL UNIT      INPUT VOLTAGE 3V      OPERATING CURRENT 200mA      FOR 3V SYSTEM ONLY      MADE IN TAIWAN</p>
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Figure 3: Durablowl IPI-6000-IC module showing OEM replacement labels and wiring details.

## Compatible Fireplace Brands and Models:

The IPI-6000-IC is compatible with many models from the following brands. This list is not exhaustive; refer to your specific fireplace manual for confirmation.

- **Astria (IHP):** Polaris 36/42, Sentinel 36/42 CO, ELDV-35/40/45 DV, and more.
- **Coleman**
- **Comfort Flame / Glow**
- **Continental:** BCDV36CF, BCDV36CFG, and more.
- **Country Stoves**
- **Dexen**
- **FMI / Desa:** DVF42NH, VDFV42NH, BBM-42N-TKA, DVF-36ANH-S, BVC-50Y, VDFV42PH, VDFV36PH, BBM-36P-TKA, DVF-42NS-S, DVF36NH, VDFV42PS, BBM-36N-TKA, BVC-42Y, VDFV42NS, VDFV36NS, DVF-42ANS-S, BBM-42P-TKA, DVF-36ANS-S, DVF-42PS-S, DVF42PS, DVF42PH, DVF42NS-HA, DVF42NS, DVF-42NH-S, DVF42NH-HA, DVF36PS, DVF-36PH-S, DVF-36NS-S, DVF36NS-HA, DVF36NS, DVF-36NH-S, and more.
- **Hearth & Home Technologies (HHT)**
- **Heatilator:** ADVR3428I, ADVT3428I, AZTEC, BCBR36, BCBV36, BCBV36I, BE-36-CIPI, BIR42, Birmingham 42", BRAVO, BV36, CB4236IR, CB4236IR/CB4842IR, CB4236MIR, CB4842IR, CB4842MIR, CD4236ILR, CD4236IR, CD4236MILR, CD4236MIR, CD4842ILR, CD4842MILR, CD4842MIR, CFL-24NG-IPI, CNXT4236IH, CNXT4236IT, CNXT4842I, CNXT4842IH, CNXT4842IT, CNXT70EH, CNXT70ET, CNXT70I, CNXT70IH, CNXT70IT, CNXT90E, CNXT90EH, CNXT90ET, CNXT90IH, CNXT90IT, Corner, Courtyard 36", Courtyard 42", DAKOTA42-B, DAKOTA42H, DV, DV31, DV36, ECLIPSE-32, ECLIPSE-36, EDV3633I, EDV3633IL, EHS3633, EHS3633I, FI36M, FI42M, GB4336/GB4942, GB4336I, GB4336IL, GB4942I, GB4942IL, GBCL/CR/FL/ST 36, GBCL36I, GBCR36I, GBFL36I, GBFL4136I, GBST36I, GBST4336I, GC421, GCBC60i, GCBC60LI, GCBC80i, GCDC60i, GCDC80i, GDCH60I, GDCH60IV, GDCL4136I, GDCL60I, GDCL60LI, GDCR4136I, GDCR60I, GDCR60LI, GDFL4136I, GDFL60I, GDFL60IV, GDST3831I, GDST3831I, GDST4336I, GDST5244I, GDST5244IL, GDST60I, GDST60IV, GDST60LI, GDST60LIV, IB75, Icon DV, ICON100IH, ICON100IH/iT, ICON100ILH, ICON100ILT, ICON100IT, ICON60IH, ICON60IH/iT, ICON60ILH, ICON60ILT, ICON60IT, IDV4833IT, IDV6247, IDV6247IT, NB3630/3933/4236/4842, NB3630I, NB3630MI, NB3933I, NB3933MI, NB4236I, NB4236IPLUS, NB4236MI, NB4842I, NB4842MI, NBV3630I, NBV3933I, NBV3933I-B, NBV4236I, NBV4236I-B, NBV42842I-B, NBV4842I, NBV4842MI, NBVO3630I-B, ND3630/3933/4236/4842, ND3630I, ND3630IL, ND3630L, ND3630M/3933M/4236M/4842M, ND3630MI, ND3933I, ND3933IL, ND3933MI, ND4236I, ND4236MI, ND4236MIL, ND4842I, ND4842MI, NDI Insert, NDI Insert I30, NDI Insert I35, NDI30, NDI30-C, NDI35, NDI35-C, NDV3630I-B, NDV3630IL-B, NDV3933I-B, NDV3933IL-B, NDV4236I-B, NDV4842I-B, NDV4842IL-B, Novus BV30, Novus BV33, Novus BV36, Novus BV42, Novus NBV-B, Novus NDV-B, ODGO324-IPI, ODPALG-48, ODPALGST-48, OLYMPUS, Palazzo, Palazzo ODPALGST-48, Peninsula BV, Peninsula DV, Peninsula: GDFL4136, Rave3012i, Rave4013i, RBV4236, RBV4236I & 4842I, RBV4236IH, RBV4236IT, RBV4842, RBV4842IH, RBV4842IT, SL-550BE-IPI-B, TITAN, TWILIGHT, and more.
- **Heat N Glo:** 6000BEC-IPI, 6000BE-IPI, 6000CF-OAK-IPI, 6000GCF-IP, 6000GCF-IPI, 6000GL-IPI, 6000GL-IPI-R, 6000GLX-IPI, 6000GLX-IPI-R, 6000PLUS, 6000TRI-IP, 6000TRI-IPI, 6000TR-OAK-IPI, 6000TRXI-IPI, 6000TV-OAK-IPI, 6100PLUS, 6100PLUS-LP, 8000CF-OAK-IPI, 8000TRD-IPI, 8000TR-OAK-IPI, 8000TVD-IPI, 8000TV-OAK-IPI, BCBV36I, BE-36-CIPI, BE-41IPI, BRAVO, Cerona 36", CERONA-36, CERONA-42, CFL-24-IPI, CFX-CRESCENT, CFX-DA, CFX-DIAMOND, Cosmo GXT, Cosmo SLR-B, Cosmo SLR-C, Cosmo SXT, COSMO-GXT-IPI, COSMO-SXT-IPI, Courtyard 36", Courtyard Fireplace - Service Parts 42", CRESCENT II, DAKOTA42-B, DAKOTA42H-B, DV3732SBI, ESC-42ST, Escape 36", Escape See-Through, EVEREST, EVEREST-B, Fusion 550, Fusion 750, Gateway, GDCL4136I, Gem-36, GEM-36B, GEM-42, GEM-42B, GO24-IPI, GO30-IPI, GO318-IPI, GO324-IPI, GO330-IPI, GO35-IPI, GO40-IPI, GRAND-50-D, INFINITY, LCOR-36TRB-IPI, LCOR-HVB-

IPI, LCOR-HV-IPI, LUX60, Metro 32, Metro 32 Fireplace - Service Parts, ODCOUG-36, ODCOUG-36PH, ODCOUG-36PT, ODCOUG-36T, ODCOUG-42, ODCOUG-42PH, ODCOUG-42PT, ODCOUG-42T, ODGO324-IPI-LP, ODGO324-IPI-NG, ODLANAIG-51, ODPALG-48, ODPALGST-48, OLYMPUS, Palazzo See-Through, Paloma, PALOMA MOD, PALOMA Original Model, PALOMA-MOD, PASSAGE, PIER-36TRB-IPI, PIER-36TR-IPI, PIER-HVB-IPI, PIER-HV-IPI, PIER-TRC, PIER-TVFL-IPI, RCOR-36TRB-IPI, RCOR-HVB-IPI, RCOR-HV-IPI, R-COR-TRC, RED 60, RED40, RED40ST, RED60, Rutherford 42", RUTHERFORD-36, RUTHERFORD-42, See-Through 32, See-Through 32 Fireplace - Service Parts, SL-350TRS, SL-350TRS-IPI, SL-5, SL-550BE-IPI, SL-550BE-IPI-B, SL-550BE-M-IPI, SL-550F, SL-550METRO, SL-550TR-E, SL-550TR-IPI-D, SL-550TR-IPI-E, SL-550TRLP-IPIE, SL-550TRS, SL-550TRS-IPI-D, SL-550TRS-IPI-E, SL-550TV, SL-550TV-IPI-C, SL-550TV-IPI-D, SL-550TV-IPI-E, SL-550TV-IPI-F, SL-5F, SL-5LP, SL-7, SL-750F, SL-750TR-E, SL-750TR-IPI-D, SL-750TR-IPI-E, SL-750TRLP-IPIE, SL-750TRSFHHIPI, SL-750TRS-IPI-D, SL-750TRS-IPI-E, SL-750TV, SL-750TV-IPI-D, SL-750TV-IPI-E, SL-750TV-IPI-F, SL-7F, SL-7LP, SL-9, SL-950TR-IPI-D, SL-950TR-IPI-E, SL-950TV-D, SL-950TV-IPI-D, SL-950TV-IPI-E, SlimLine Fusion, SLR, SLR32, SLR-B, SLR-C, Soho, SOHO24, SOHO24B, SOULSTICE, ST-36TRB-IPI, ST-36TR-IPI, ST-36TVB-IPI, ST-42TVFL-DSI, ST-42TVFL-IPI, ST-550T, ST-550T-IPI, ST-550TM, ST-550TM-IPI, ST-HVB-IPI, ST-HV-IPI, ST-TRC, TWILIGHT, Twilight-II, and more.

- **IHP**
- **Ironstrike**
- **Lennox:** ELDV, MLDVTCD, MPLDV, SLBV-35 SLBV-40, SLDVT-30NM-30PM, SLDVT-35NM-35PM, SLDVT-40NM-40PM, SLDVT-45NM-45PM, and more.
- **Majestic / Insta-Flame / Majco:** Courtyard Fireplace - Service Parts 36", and more.
- **Monessen**
- **Napoleon:** Ascent 35 / 42 Direct Vent Fireplace, B35 Ascent 35, BGD33, BGD34, BGD36, BGD36CF, BGD36CFG BGD36CFG-2 Crystallo, BGD40, BGD42, BGD42CF, GD19 Vittoria, GD34, GD36, GD36M, GD36MN Manhattan, GD70 STARfire Series (-1S & -2S), GDS25 Bayfield, GDS26 Castlemore, HD35, HD40, HD46, HDX40, Park Avenue Direct Vent Fireplace, and more.
- **Outdoor Lifestyles:** ODPALG-48, ODPALGST-48, TWILIGHT, TWILIGHT-II, TWILIGHT-II-B, TWILIGHT-II-C, TWILIGHT-II-MOD.
- **Quadra-Fire:** Courtyard 36" 42", DAKOTA42-B, DAKOTA42H-B, ODPALG-48, Palazzo, QV36A-FB, QV-PIER-HV-IPI, QV-ST-HV-IPI, Twilight II, Twilight Modern.
- **RH Peterson / Real Fyre:** G22-GL, G22-GL-2, G45, G45-2-GL, G46, PB.
- **SIT**
- **Superior (IHP):** ELDV-35/40/45, ELDV-35/40/45, DRT40 36/42 TEN/TEP, VRE43 36/42.
- **Town & Country:** TC36.B2 Arch, TC36.B, TC36.A, TC42.B2.
- **Vanguard**
- **Vexar**

## 4. INSTALLATION GUIDE

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The Durablowl IPI-6000-IC module is designed for a 100% direct fit replacement. Before installation, ensure the old module is confirmed to be faulty. This module operates with a 3V input only.

### Parts Not Included:

The following components are typically required for a complete system but are **NOT** included with the IPI-6000-IC module:

- Wiring harness (e.g., 593-590A)

- Power supply (e.g., 593-594A or 593-593A)
- Pilot assemblies (e.g., 385-510A NG, 593-510A, 4021-025)
- Millivolt valve (e.g., 6003, 705-500, 705-501, 593-500, 593-501)

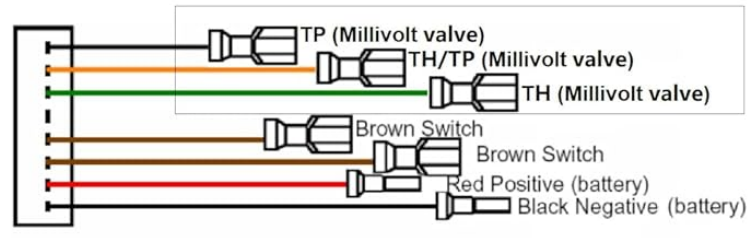
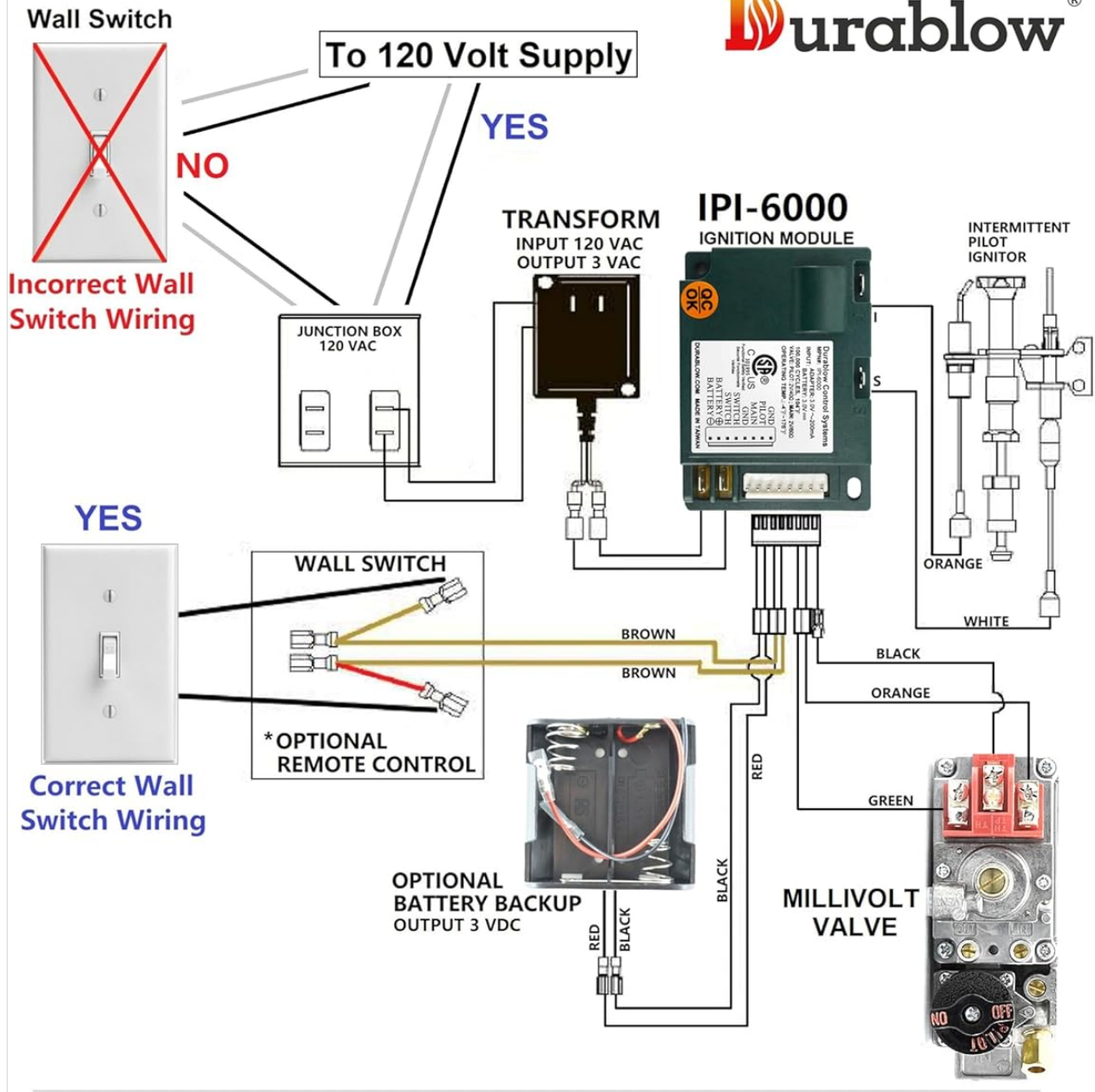
**Parts 1~3 are NOT included.  
Wiring for your reference only.**



Figure 4: The IPI-6000-IC module shown with typical associated parts (1: Pilot assembly, 2: Wiring harness, 3: Power supply) which are not included.

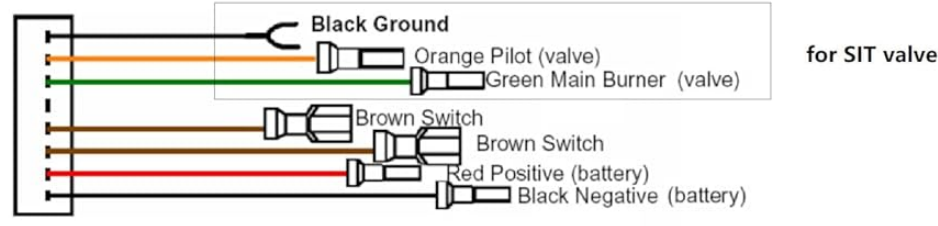
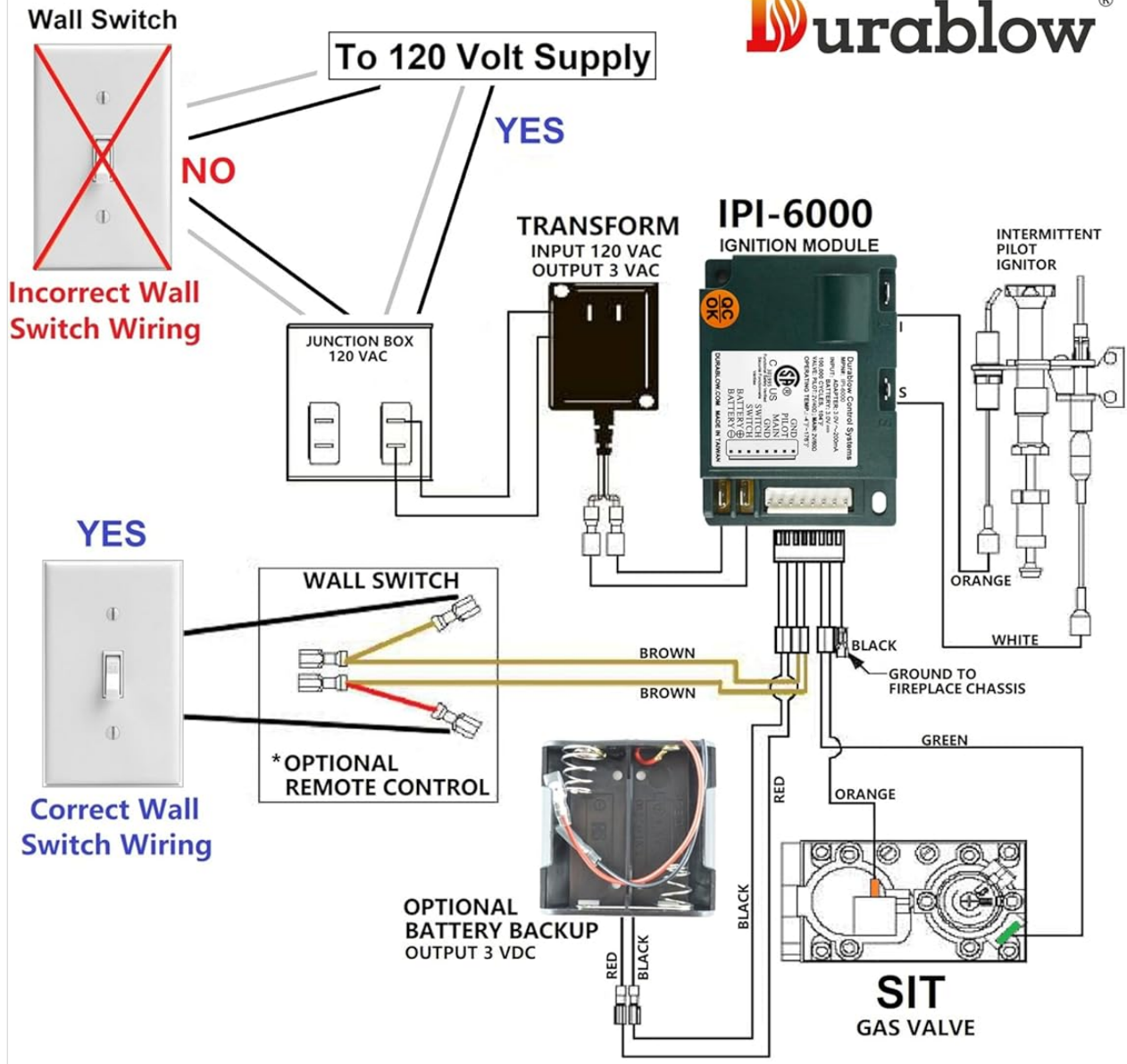
### Wiring Diagrams:

Refer to the following diagrams for typical wiring configurations. Always cross-reference with your fireplace's specific wiring instructions.



## Wiring Harness (for Millivolt valve)

Figure 5: Wiring Diagram for Millivolt Valve systems using the Durablowl IPI-6000.



## Wiring Harness (for SIT valve)

Figure 6: Wiring Diagram for SIT Valve systems using the Durablowl IPI-6000.

### Installation Video Resources:

For visual guidance, the following videos may provide helpful insights into the installation process. Please note that these are general guides and your specific fireplace model may vary.

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Video 1: General overview of fireplace control module replacement (2:13 duration). This video demonstrates typical steps involved in replacing a fireplace control module.

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Video 2: Detailed guide on fireplace ignition system troubleshooting and replacement (2:22 duration). This video covers common issues and the process of replacing ignition components.

An example of a customer installation is shown below:

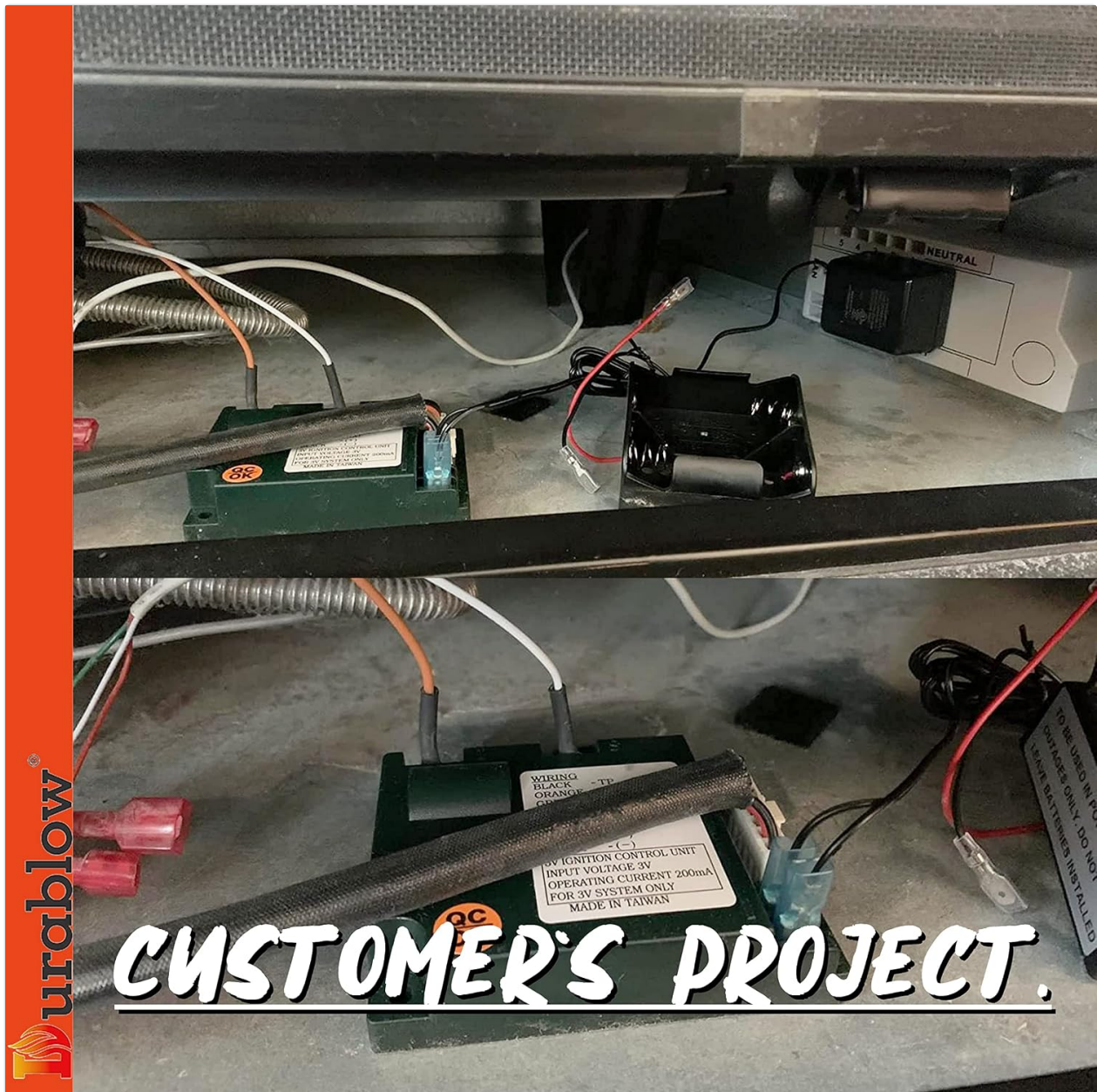


Figure 7: Example of a Durablow IPI-6000-IC module installed in a fireplace system.

## 5. OPERATION

The IPI-6000-IC module facilitates intermittent pilot operation for your gas fireplace. Once installed and connected correctly, the fireplace can be operated using an ON and OFF switch, typically a wall switch or remote control, depending on your fireplace's setup.

When the switch is turned ON, the module initiates the pilot ignition sequence. Once the pilot is established, the main burner will ignite. Turning the switch OFF will shut down both the main burner and the pilot.

## 6. TROUBLESHOOTING

If your fireplace is not operating correctly after installing the IPI-6000-IC module, consider the following common troubleshooting steps:

- **No Ignition/Pilot Not Lighting:**

- Ensure the module is receiving the correct 3V input.
- Check all wiring connections for tightness and correct placement according to the diagrams (Figures 5 and 6).
- Verify that the gas supply to the fireplace is open.
- Inspect the pilot assembly for any obstructions or damage.

- **Pilot Lights, but Main Burner Does Not Ignite:**

- Confirm that the thermocouple or thermopile is correctly positioned and functioning.
- Check the main gas valve for proper operation.

- **Intermittent Operation:**

- Inspect for loose wiring connections or intermittent power supply.
- Ensure proper ventilation around the module and pilot assembly.

If issues persist after performing these checks, it is recommended to contact a qualified service technician for further diagnosis and repair.

## 7. PRODUCT SPECIFICATIONS

Specification	Value
Model Number	IPI-6000-IC
Input Voltage	3V (DC)
Operating Current	200mA (typical)
Package Dimensions	5 x 4.84 x 1.26 inches
Item Weight	3.2 ounces
CSA Certification	Certified (File #: 301995, CLASS: 263203, 263283)
Batteries Required	Yes (for optional battery backup)

## 8. SUPPORT AND WARRANTY

For technical support or inquiries regarding your Durablow IPI-6000-IC control module, please refer to the retailer or manufacturer's official support channels. Keep your purchase receipt for any warranty claims.

Specific warranty terms and conditions may vary. Please consult the product packaging or the manufacturer's website for detailed warranty information.

