Durablow IPI-6000-V

Durablow Fireplace Electronic IPI Control Module User Manual

Brand: Durablow | Model: IPI-6000-V

1. Product Overview

The Durablow Electronic IPI Control Module is a replacement ignition module designed for gas fireplaces. It controls intermittent pilot operation for both LP (liquid propane) and NG (natural gas) fireplaces, allowing operation with a simple ON and OFF switch. This module meets CSA standards (Prior to 2022) and is a direct fit replacement for various OEM parts.



Figure 1: Durablow Fireplace Electronic IPI Control Module (IPI-6000)

2. Safety Information

WARNING:

- This equipment must be installed by a qualified electrical technician or service personnel.
- Always disconnect power before servicing the unit.
- Ensure proper gas line connections and leak testing are performed by a qualified professional.

3. Package Contents

Your Durablow Fireplace Electronic IPI Control Module package includes:

- 1 x Durablow Fireplace Electronic IPI Control Module (IPI-6000)

Note: Wiring harness (593-590A), power supply (593-594A or 593-593A), Pilot assemblies (385-510A NG, 593-510A, 4021-025), and Millivolt valve (6003, 705-500, 705-501, 593-500, 593-501) are NOT included and must be purchased separately if needed.

4. Specifications

Feature	Detail
Brand	Durablow
Model Name	Fireplace Electronic IPI Control Module
Item Model Number	IPI-6000-V
Power Source	Corded Electric (3V input)
Product Dimensions	3.5"D x 4.5"W x 1.5"H
Item Weight	0.13 Kilograms (4.6 ounces)
Finish Type	Painted
Installation Type	Built-in
Burner Type	Gas
Operating Current	200mA (for 3V system only)
Origin	Made in TAIWAN

5. Installation and Setup

Installation of the Durablow IPI Control Module requires careful attention to wiring. It is highly recommended that installation be performed by a qualified electrical technician or service personnel. Ensure power is disconnected before beginning any work.

5.1. Visual Guide: Module and Accessories Overview

Your browser does not support the video tag.

Video 1: Overview of the IPI Module and various optional accessories (wire harness, battery pack, A/C adapter, RF remote control, Smart Home Wi-Fi remote control) and how they connect. This video provides a visual demonstration of the components and their basic interconnections.

5.2. Module Overview

The IPI-6000 module is the central component for your fireplace's ignition system. It features multiple connection points for power, thermostat, and optional accessories.



Figure 2: Various angles of the Durablow IPI Control Module, highlighting its compact design and connection ports.

5.3. Connecting the Wire Harness (Part#: H590)

The wire harness connects the IPI module to the fireplace's various components, including the pilot assembly and power source. Ensure all connections are secure.



Figure 3: The IPI Control Module connected to the wire harness (H590), showing the main connection point.

5.4. Power Options: Battery Pack (Part#: DC594) or A/C Adapter (Part#: AC593)

The IPI module can be powered by either a battery pack for backup or an A/C adapter for continuous power. Connect the appropriate power source to the wire harness.



Figure 4: The IPI Control Module connected to a battery pack (DC594), illustrating the battery power option.



Figure 5: The IPI Control Module connected to an A/C adapter (AC593), showing the wired power option.

5.5. Wiring Diagram for Millivolt Valve Systems

Refer to the detailed wiring diagram for connecting the IPI module within a millivolt valve system. This diagram illustrates correct wall switch wiring and optional remote control connections.

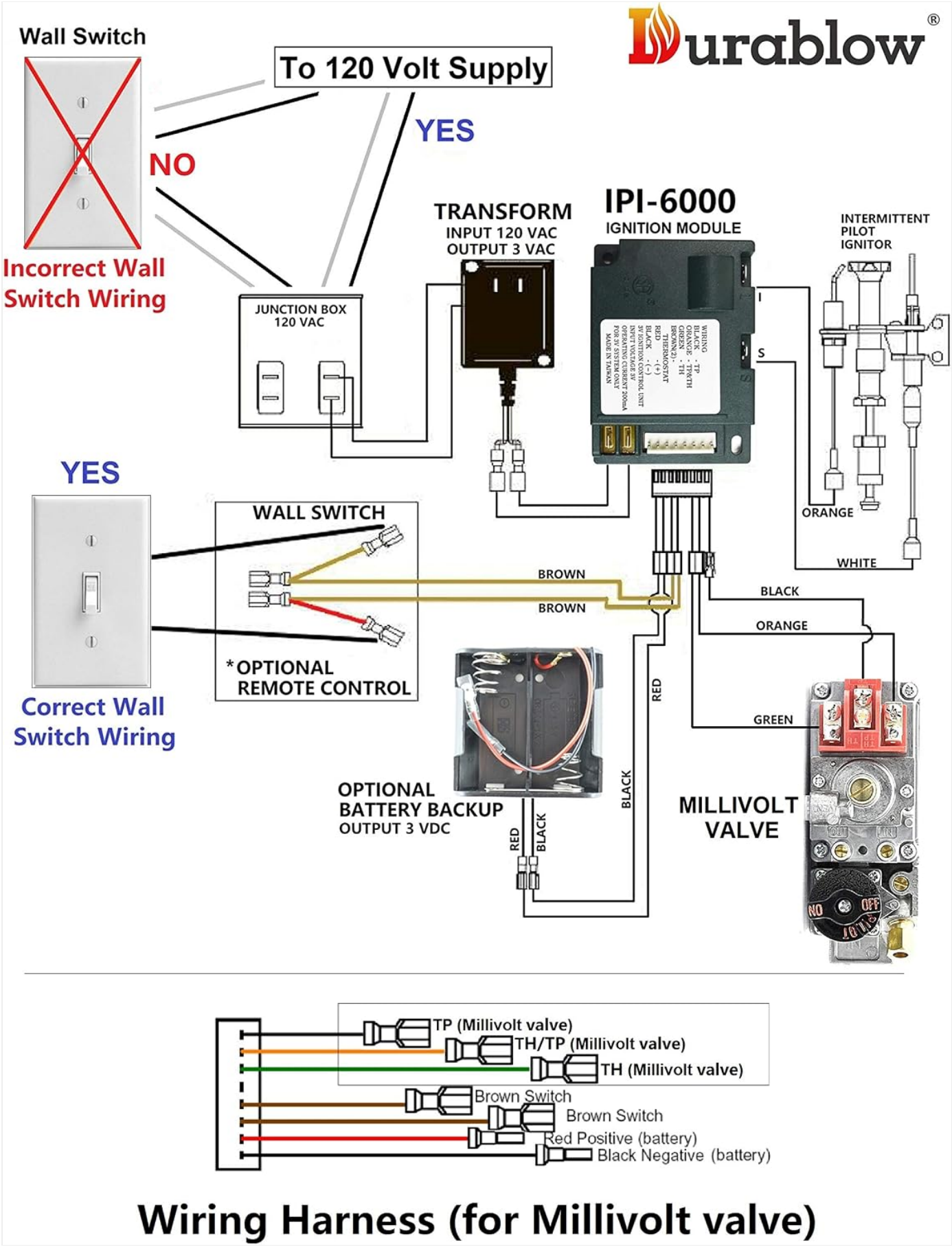


Figure 6: Comprehensive wiring diagram for the IPI-6000 module, including connections for wall switches, battery backup, A/C adapter, and millivolt valve.

For detailed wiring instructions, please consult the diagram above and your fireplace's owner manual. Ensure all connections are made according to local electrical codes and safety guidelines.

6. Operating Instructions

Once properly installed and powered, the Durablow IPI Control Module allows for simple operation of your gas fireplace.

6.1. Basic Operation (ON/OFF Switch)

The module is designed to operate your fireplace using a standard ON and OFF switch. Simply toggle the switch to ignite or extinguish the pilot and main burner.

6.2. Optional Remote Control Operation

For enhanced convenience, the IPI module is compatible with various remote control systems, including RF remote controls (e.g., Part#: TR1003) and Smart Home Wi-Fi remote controls (e.g., Part#: SH3002).

- **RF Remote Control:** Connect the RF receiver to the designated terminals on the wire harness. Follow the remote control's specific instructions for pairing and operation.
- **Smart Home Wi-Fi Remote Control:** Connect the Wi-Fi module to the designated terminals. Refer to the Smart Home Wi-Fi remote control's manual for setup with your smart home system and app-based control.

7. Maintenance

The Durablow IPI Control Module is designed for long-lasting performance with minimal maintenance. However, regular inspection can help ensure optimal operation.

- **Annual Inspection:** It is recommended to have your fireplace system, including the IPI module and all connections, inspected annually by a qualified technician.
- **Keep Dry:** Ensure the module and its connections remain dry and free from moisture.
- **Cleanliness:** Keep the area around the module free from dust, debris, and any obstructions.
- **Connection Check:** Periodically (during professional inspections), verify that all electrical connections are secure and free from corrosion.

8. Troubleshooting

If your fireplace is not operating correctly after installing the Durablow IPI Control Module, consider the following common issues:

Problem	Possible Cause	Solution
Fireplace does not ignite.	No power to the module, loose connections, faulty pilot assembly, or gas supply issue.	◦ Verify power supply (batteries or A/C adapter). ◦ Check all wiring connections for tightness. ◦ Ensure gas supply valve is open. ◦ Consult a qualified technician for pilot assembly or gas valve issues.
Pilot lights but main burner does not.	Issue with the main gas valve or thermostat connection.	◦ Check thermostat wiring to the module. ◦ Ensure the thermostat is set to a temperature above the room temperature. ◦ Contact a qualified technician to inspect the main gas valve.

Intermittent ignition or flame loss.	Weak power supply, loose connections, or dirty pilot/thermocouple.	◦ Replace batteries or check A/C adapter. ◦ Inspect and clean pilot assembly and thermocouple/thermopile. ◦ Verify all connections are secure.

If troubleshooting steps do not resolve the issue, please contact a qualified fireplace technician.

9. Compatible Models and Cross-Reference

The Durablow IPI-6000 module is a direct replacement for various OEM parts and is compatible with a wide range of fireplace brands and models. Always verify your old module's part number or wiring diagram against this product's specifications.

9.1. OEM Cross-Reference Parts Numbers:

593-592, GM-6KA, 350-M, 6K, H4674, IMP-1, J5760, J7728, SRV593-592, W190-0015, W190-0022, 112118-01, 122118-01, 5030.02, IPI-6000.

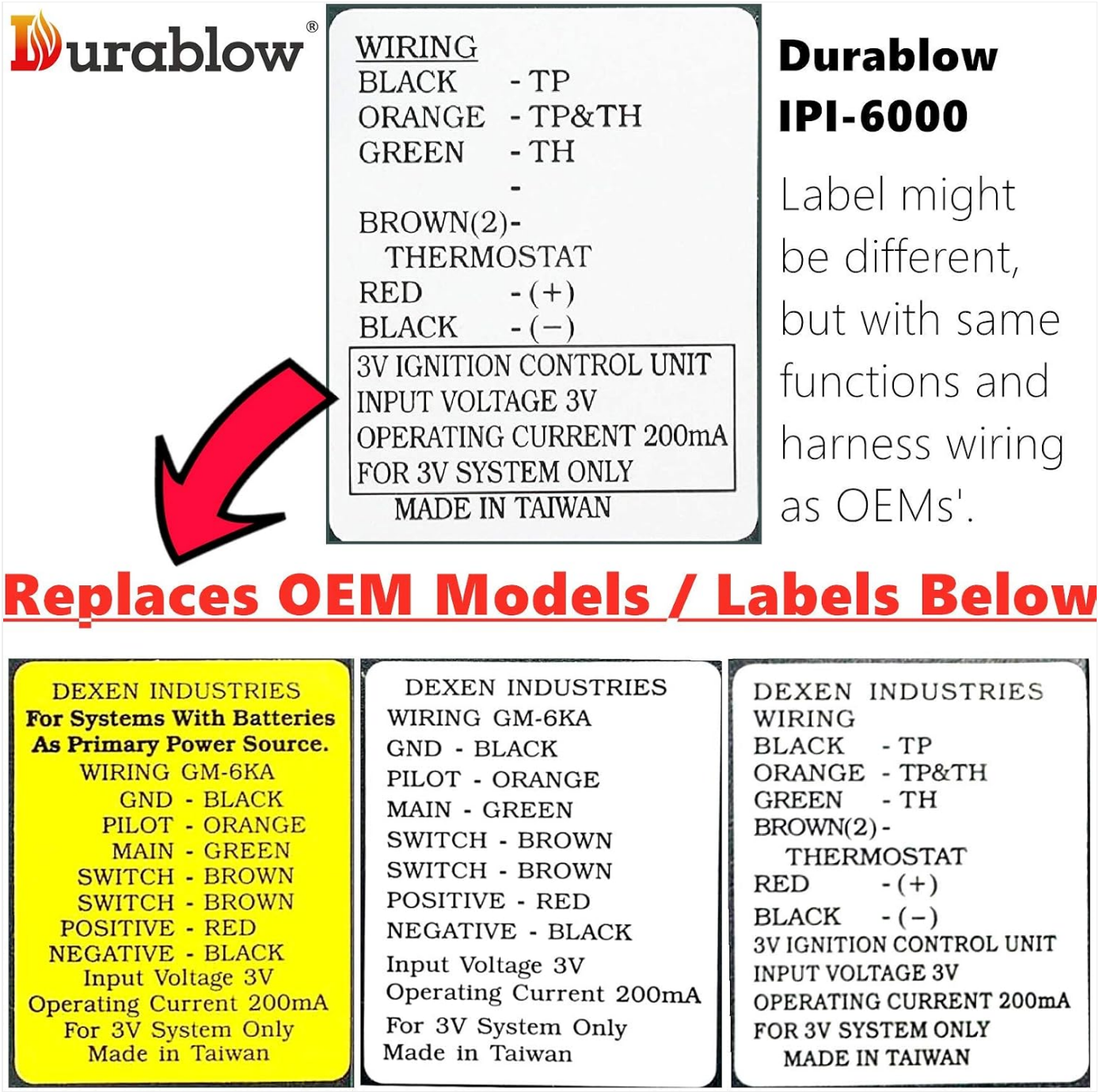


Figure 7: Examples of OEM labels and wiring configurations that are compatible with the Durablow IPI-6000 module.

9.2. Compatible Fireplace Brands and Models:

This module is compatible with numerous fireplace brands, including but not limited to:

- Astria (IHP): Polaris 36/42, Sentinel 36/42 CO, ELDV-35/40/45 DV
- Continental: BCDV36CF, BCDV36CFG
- FMI / Desa: DVF42NH, VDVF42NH, BBM-42N-TKA, DVF-36ANH-S, BVC-50Y, VDVF42PH, VDVF36PH, BBM-36P-TKA, DVF-42NS-S, DVF36NH, VDVF42PS, BBM-36N-TKA, BVC-42Y, VDVF42NS, VDVF36NS, DVF-42ANS-S, BBM-42P-TKA, DVF-36ANS-S, DVF-42ANH-S, DVF-42PS-S, DVF42PS, DVF42PH, DVF42NS-HA, DVF42NS, DVF-42NH-S ...and more
- 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, 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, GDST3831|, 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, 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-41IPIC, 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, 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
- Lennox: ELDV, MLDVTCD, MPLDV, SLBV-35 SLBV-40, SLDVT-30NM-30PM, SLDVT-35NM-35PM, SLDVT-40NM-40PM, SLDVT-45NM-45PM
- Majestic / Insta-Flame / Majco: Courtyard Fireplace - Service Parts 36"
- 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
- Quadrafire: 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
- 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
- Outdoor Lifestyles: ODPALG-48, ODPALGST-48, TWILIGHT, TWILIGHT-II, TWILIGHT-II-B, TWILIGHT-II-C, TWILIGHT-II-MOD

10. Warranty and Support

The Durablow Fireplace Electronic IPI Control Module comes with a 1-year limited warranty.
For warranty claims, technical support, or further assistance, please contact Durablow customer service through their official channels or the retailer where the product was purchased.
Visit the Durablow Store: Durablow Amazon Store

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