



SS-201  
NOVEMBER 1999



**Sure  
Spark**

**FIREYE®  
Series SS20120  
CONSTANT DUTY  
ELECTRONIC IGNITOR  
INSTRUCTION SHEET**



**Year 2000 Compliant in accordance with BSI document DISC PD2000-I:1998**

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## DESCRIPTION

The Fireeye® Electronic Constant Duty Ignitor provides electronic ignition along with compact, lightweight design.

The model SS20120-1 is designed for use as a replacement for most standard 10,000 volt transformers.

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## FEATURES

- Patented Electronic Constant Duty Ignitor trouble-free operation.
- The ignitor can be used with any Oil Burner Control unit, CONSTANT DUTY or INTERRUPTED DUTY.
- Provides a near constant voltage output with a wide range of input voltages.
- Provides 14,000 volt, 35 milliamp output for fast, sure, economical burner start-ups.
- The model SS20120-1 is lightweight and compact for ease of installation, handling and storage.
- The epoxy impregnated design ensures no moisture or corona deterioration of ignitor performance.

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## SPECIFICATIONS

<b>Power:</b>	120VAC (95VAC-132VAC), 60HZ, 40 VA
<b>Output:</b>	14 KV, 35mA RMS
<b>Secondary Grounding:</b>	Midpoint
<b>Ambient Operating Temperature:</b>	32°-140°F
<b>Agency Approvals:</b>	Underwriters Laboratories (UL) Recognized – Components Guide MJAT2, File MH10808 Canadian Standards Association (CSA) Certified – Class 2642-01 (Oil), File LR703303



## INSTALLATION

1. Read ALL instructions prior to installation.
2. The model SS20120 series of Fireeye ignitors are designed to mount directly on top of the burner housing in the same manner as any standard transformer.
3. Remove the existing transformer by removing the AC power and disconnecting the A.C wiring to the transformer.
4. Remove any screws securing the transformer.
5. Make note of the routing of electronic wires from the transformer to the control.
6. Remove the old transformer.
7. Install the Fireeye ignitor by reversing the prior steps, making sure to route the wires in the same manner as the old transformer.
8. Connect the ignitor A.C. wires in the same manner as the original transformer was wired.
9. Make sure the ignitor is firmly attached to the housing and that all electrical connections meet local codes prior to applying power.

## BASEPLATE KITS (Ordered Separately)

PART NUMBER	BASE PLATE KITS
SSP-10	CARLIN Residential Base Plate and Interface Kit
SSP-11	CARLIN Small Commercial Base Plate and Interface Kit (201-301)
SSP-12	CARLIN Large Commercial Base Plate and Interface Kit (601-801)
SSP-13	AERO Base Plate and Interface Kit
SSP-14	BECKETT Base Plate and Interface Kit
SSP-15	BECKETT S, SR Base Plate and Interface Kit
SSP-16	ABC BANTOM T-29-15 Base Plate and Interface Kit
SSP-17	SUNRAY D&LC T-34-B Base Plate and Interface Kit
SSP-18	WAYNE HS Base Plate and Interface Kit
SSP-19	WAYNE E Base Plate and Interface Kit
SSP-20	WAYNE M Base Plate and Interface Kit

## NOTICE

When Fireeye products are combined with equipment manufactured by others and/or integrated into systems designed or manufactured by others, the Fireeye warranty, as stated in its General Terms and Conditions of Sale, pertains only to the Fireeye products and not to any other equipment or to the combined system or its overall performance.

## WARRANTIES

FIREYE guarantees for *one year from the date of installation or 18 months from date of manufacture* of its products to replace, or, at its option, to repair any product or part thereof (except lamps, electronic tubes and photo-cells) which is found defective in material or workmanship or which otherwise fails to conform to the description of the product on the face of its sales order. **THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES AND FIREYE MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED.** Except as specifically stated in these general terms and conditions of sale, remedies with respect to any product or part number manufactured or sold by Fireeye shall be limited exclusively to the right to replacement or repair as above provided. In no event shall Fireeye be liable for consequential or special damages of any nature that may arise in connection with such product or part.



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