

Not to be distributed outside of FM Global except by Customer

# APPROVAL REPORT

**REVISED MODEL NUMBERS  
FOR IFS and PF19 in.  
BURNER CONTROLS**

**Prepared for:**

**Kromschröder AG  
Postfach 2809  
D- 49018 Osnabrück  
Germany**

**Project ID. 3012796  
Class 7611  
Date: February 22, 2002**

Factory Mutual Research Corporation  
1151 Boston-Providence Turnpike  
P.O. Box 9102  
Norwood, MA 02062

FACTORY MUTUAL RESEARCH  
3012796

**REVISED MODEL NUMBERS FOR  
IFS and PF 19 in. BURNER CONTROLS**  
February 22, 2002  
from  
Kromschöder AG  
Postfach 2809  
D-49018 Osnabrück  
Germany

**I INTRODUCTION**

- 1.1 Kromschöder AG requested Approval for the addition and revision of suffixes to their IFS and PF 19 in. burner controls.
- 1.2 This Report may be freely reproduced only in its entirety and without modification.
- 1.3 These controls will appear in the Factory Mutual Research Approval Guide under the heading "Combustion Safeguards, Automatic Lighted Burners" as follows.

Models IFS 110 IM(or IMT)-W -3 (or 5, 10) /1/1 (or /2/2). "W" suffix in Model No. indicates single automatic retry for ignition upon flame failure. Used in conjunction with UVS 6T or UVS 8T ultraviolet flame sensors, or flame rods. May be used in conjunction with IFW 15T flame relays for multiple burner control. **Control units have an alpha suffix that indicates operating voltage.** Nominal operating voltage, 110-120 or 220-240 V ac; 50/60 Hz.

IFS 258(or 258T)-3 (or -5, -10)/1 (or 2) NR (or P, Y, W) burner controls. Used with UVS 6 (or 8)T ultraviolet flame sensors or flame rods. Nominal operating voltage, 100, 115, 200 or 230 V ac; 50/60 Hz. Used only for intermittently operated burners.

Process Firing System PF 19 in. Model PFS74 (or 7) 8(or 8T) S (or D, L, M) burner control unit. Used with PFF704 multi-burner flame relay or PFR704 relay module, PFP700 power supply, and UVS 6 (or 8)T ultraviolet flame sensors or flame rods. Nominal operating voltages, 110 to 240 V ac; 50/60 Hz. Control units have numerical suffixes that indicate nominal time for ignition time and flame failure response time **and an alpha suffix for operating voltage.**

- 1.4 The scope of this report is limited the to the addition and revision of suffixes for currently listed model numbers.

**II DESCRIPTION**

- 2.1 A "T" suffix is added to the model numbers to indicate controls and flame sensors for the North American market. The operating voltage suffixes for the IFS258 control have been revised from N (or P, T, Y) to NR (or P, Y, W).
- 2.2 The operating voltages for the IFS 110 models have been changed from 110 or 220 V to a range of 110-120 or 220-240 as indicated by an N or T suffix respectively. The operating voltage range for the PFS models has been changed from 110 or 220 V to a range of 110-120 and 220-240 as indicated by suffix N or T respectively.