

The basic building block of the 8883/84 system, the new Honeywell/North American RM7888 controller, carries out burner management. This flame safeguard unit has extensive capability beyond those of other manufacturers and other earlier Honeywell models. With built-in timing and programming functions, it can handle any flame supervision application from the simplest single burner job to the complex requirements of StepFire™ and TwinBed II™.

Two levels of video display operator interface are available to accommodate customer preference and need. Complete graphics user interface (GUI) in a Windows™ environment with detailed and dynamic color screens, mouse, and full manual/auto control access comes in the software package with a personal computer to provide the processing power.

Also available, but not as elaborate, is a limited graphics user interface. This package provides lower resolution with graphics that are made up of boxes and lines on a monochrome screen.

Full manual/auto control access is provided through function and numeric keys or via touch-screen. As with the full graphics user interface, the pictures can be organized in a hierarchy with an overview screen "at the top" and sub-screens providing more detailed information about specific parts of the process.

Either video capability or both can be used to monitor and control a process. As process needs increase, the demands on the operators and desires of management dictate that the more elaborate operator interface become part of the system supplied.

Careful design drawn from a long history of experience in combustion processes assures that the system will meet NFPA and insurance underwriter recommendations. A UL label can be provided on request.

8883/8884 FEATURES/BENEFITS

2 to 36 burners*

- Pilot or direct spark
- Single or dual-fuel
- Any valve train configuration
- Manual or automatic valves with or without closure switches

Zone or individual burner control

- Modulated (P.A.T. or C.A.T.) or StepFire™
- Loop control within the PLC or from dedicated controller

Operator interface with full color graphics

- Pentium class personal computer and VGA CRT with Windows™
- Sophisticated process diagrams
- Real time and historical data storage and retrieval
- Trend plots
- Control loop faceplates
- Alarm information

and/or

LCD video display

- Simplified screens with limited graphics
- Function keys, and/or touch-screen entry

* Systems for more burners can be accommodated. Consult Cleveland.

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Components in combustion systems may exceed 160°F (71°C) surface temperatures and present hot surface contact hazard. Fives North American Combustion, Inc. suggests the use of combustion systems that are in compliance with all Safety Codes, Standards, Regulations and Directives; and care in operation.

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