

Comfort, Energy & Health Solutions

Commercial Burner Boiler Controls



7800 SERIES

Burner Control

Customize Your 7800 SERIES Burner Control with the following optional components:

- **Keyboard Display Module**
- **Communications Interface**
- **First-Out Expanded Annunciator**
- **Combustion System Manager Software**

The Honeywell 7800 SERIES combines enhanced safety, comprehensive diagnostics, communication and networking capabilities into one compact and affordable microcomputer burner control. It can do just about anything and everything you would like it to do.

The 7800 SERIES offers you intelligent control any way you want it: with or without communications, with or without expanded annunciator, with or without a keyboard display module.

And the 7800 can work on a wide range of commercial and industrial applications: burners, boilers, furnaces, packaged rooftop units, ovens, kilns, hot water heaters and more. In fact, the 7800 SERIES replaces more than 400 Honeywell and competitive control types. So, whatever features you want from a burner control just ask! With the 7800, the answer is ... yes, it can.



Customized To Your Operation

Keyboard Display Module

You can place an easy-to-use Keyboard Display Module on the 7800 or in any remote location where you want convenient access to information. The optional keyboard display module is easy to install and you can add it at anytime. Models are available in English, French, German, Italian, Spanish, Portuguese, Japanese (Katakana), and Chinese.

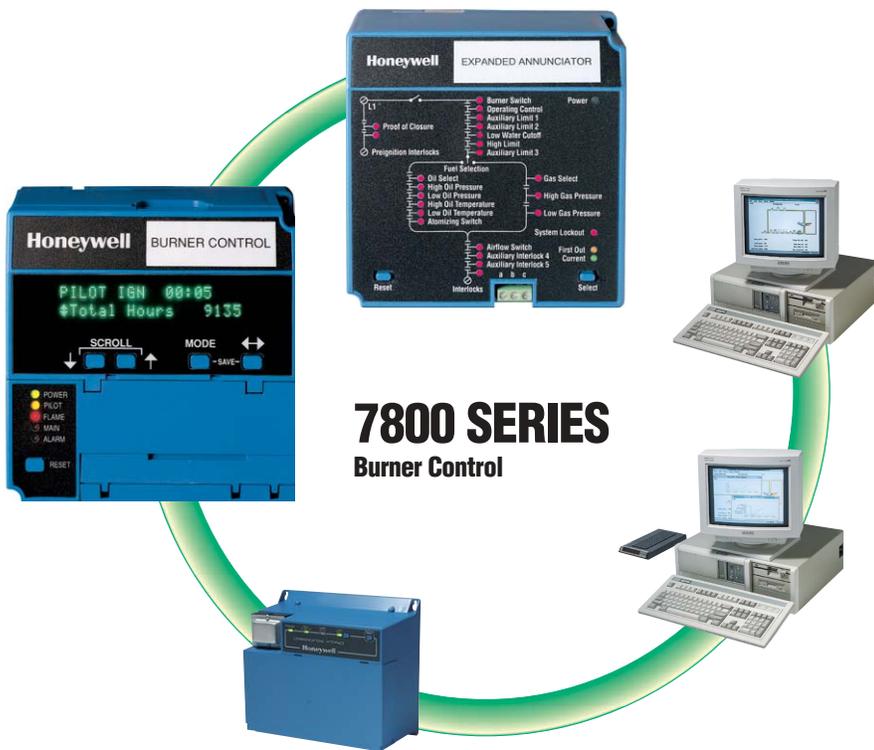
Communications Capability

You can add the optional Communications Interface to provide you with local or remote monitoring, centralized reporting, data logging and troubleshooting. This compact, modular unit interfaces with an IBM equivalent personal computer running Microsoft® Windows™.

What's more, the Microsoft Windows based Combustion System Manager Software makes it the easiest to use

system of its kind. This software gives you dynamic, real-time information in a simplified graphic format. You can configure the communications interface to auto-dial to a personal computer or beeper. You can monitor 72 points for each burner control. Up to 1000 faults can be stored, with the time and date of occurrence, to facilitate troubleshooting. With all this information stored on your personal computer, you can create reports and graphs quickly and easily. If you have multiple 7800 burner controls you can communicate with each of them through a multidrop bus connection. You can connect hundreds of 7800 controls to a single communication interface.

You can integrate 7800 SERIES programmer and primary controls into building automation and industrial control systems through a general purpose interface card or through the CSM software.



7800 SERIES Burner Control

Enhanced Safety With Dynamic Self Checks

The 7800's self-diagnostic capabilities give you maximum assurance of reliability. The 7800 continually tests itself and all related hardware. If the 7800 safety hardware or software fails, a safety shutdown will occur and all critical loads will be de-energized.

Trouble Free Retrofit

The 7800 SERIES uses existing Honeywell flame detectors and sensors, making upgrade economical. In addition, plug-in

adapter bases are available so that you can easily replace most Honeywell and competitive controls.

First-Out Expanded Annunciator

You can add the optional expanded annunciator at anytime to provide first-out annunciation. What's more, it allows you to monitor 20 additional points to identify the specific limit or interlock causing a hold or lockout—at a glance! A series of 24 LEDs represents operation and critical limit or interlock status.

THE 7800 SERIES Puts Critical Information At Your Fingertips

Operational Information

The 7800 provides a wealth of control information at the touch of a button. The English text readout on the keyboard display provides sequence status, hold status, lockout/alarm status, flame signal strength, as well as total hours and cycles of operation.



Easy Troubleshooting

The Keyboard Display Module (KDM) instantly identifies complete information for servicing including interlock, limit and fuel circuit status. It also enables you to check terminal voltage status and read flame signal strength in dc volts, eliminating the need to use a meter. In addition, you can directly access the subbase terminals without removing the control, making quick diagnosis easy.

Fault History

Through the keyboard display module the 7800 SERIES identifies 127 different faults with easy-to-read messages and codes, helping you to correct a costly lockout quickly and easily.



What's more, the 7800 provides readout of the six most recent faults. With the push of a button you will see the cause of a shutdown and at what point in the burner cycle the shutdown occurred—all using the KDM as a service tool.

The 7800 SERIES is equipped with non-volatile memory. In the event of a power failure, critical information will not be lost.

Check our website www.honeywell.com/bbc for the name of your nearest Authorized 7800 SERIES Distributor.



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