



Burner Programmers 7800 Series



CE
0063

SIL3
Capable

EAC



Honeywell

7800 SERIES Burner Programmers

Honeywell

The Honeywell 7800 SERIES combines enhanced safety, comprehensive diagnostic communication and networking capabilities into one compact and affordable microcomputer burner control. It can do just about everything you would like it to do and it is available in 230V and 110V versions. The 7800 SERIES offers you intelligent control any way you want it: with or without a Keyboard Display Module, bringing a wealth of information to your fingertips.

And the 7800 SERIES 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 numerous Honeywell and competitive control types.

So whatever features you want from a burner control, you will find them with the 7800 SERIES.

Burner Control with the following optional components:

- 2-Line VFD Keyboard Display Module with English text read out.
- 4-line LCD Keyboard Display Module with selectable English, French or Spanish text read out.
- Modbus RTU communications Interface links the burner control to just about any system, including Thermal IQ™.



Modbus Communications Capability

The Keyboard Display Modules have integrated Modbus RTU communications onboard to provide remote monitoring, centralized reporting, data logging and trouble-shooting. Thermal IQ™ templates exist to monitor the 7800-SERIES burner controller using a tablet or smartphone.

HTS THERMAL SERVICES SOFTWARE



Powered by Thermal IQ™



The 7800 SERIES Puts Critical Information At Your Fingertips

Keyboard Display Module

You can install an easy-to-use Keyboard Display Module on the 7800 SERIES or in any remote location where you want convenient access to information. The optional Keyboard Display Module can be added easily at any time.

Operational Information

The 7800 SERIES provides wealth of control information at the touch of a button. The 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 instantly identifies complete information for servicing, including interlock, limit and fuel circuit's 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 sub base terminals without removing the control, making quick diagnosis easy.



Real Time Troubleshooting

A built in guide offers suggestions on ways to troubleshoot lock-outs in simple, easy to read language. No more decoding lockout codes

Call for Service Feature

Keep your name visible with the new business card feature which identifies who to call for service. Program a 6 line personal lockout message using upper and lowercase letters, numbers and symbols.

Intuitive Menu

Easily access important information right from the home page.

- Sequence or lockout state
- Flame signal strength
- Total cycles count
- Total run-time hours count
- Remote command status
- Lockout message
- Fault history
- Diagnostic status

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 SERIES 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 without the need of a service tool.

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

Enhanced Safety with Dynamic Self Checks

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

Approvals

Global approvals (CE, CSA/FM/UL, AGA, EAC) via dedicated models. When using a self-checking flame scanner the 7800-SERIES are SIL compliant up to level 3.

Trouble Free Retrofit

The 7800 SERIES uses existing C7xxx-series Honeywell flame detectors, making upgrade economical.



UV: C7x61-series



UV: C7x27/35-series



IR: C7915-series



Ionization Rods

Honeywell Process Solutions

1250 West Sam Houston Parkway South
Houston, TX 77042
thermalsolutions.honeywell.com
www.honeywellprocess.com

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