

7800 SERIES 4-LINE LCD

Keyboard Display Module



The S7800A2142 Keyboard Display Module is the newest and most intuitive way to interact with any 7800 Series Flame Relay module. The new display is packed full of features and best of all – it's compatible with all 7800 SERIES burner controls.



New Display. New Possibilities.

The S7800A2142 Keyboard Display Module is the newest display offering in the line of 7800 SERIES microprocessor-based burner controls for gas, oil, coal or combination fuel single burner applications. With the new Keyboard Display Module, diagnostics and troubleshooting are easier making servicing 7800 SERIES controls a breeze!

Plug & Play

The new S7800A2142 is compatible with all new or installed Honeywell 7800 SERIES burner controls. Simply remove the old display and add the new!* No additional set up is required, saving time and money. The new display is so intuitive and easy to use that programming of the display can be done when it is mounted on a 7800 SERIES Relay Module or when connected through a power source.

Packed with Features

The new keyboard display module offers many technical advancements to the 7800 SERIES devices. With the larger, easier to read hi-contrast backlit display, it is far simpler to program. You'll be able to view current system status, first-out remote annunciation, remote reset, report generation, fault information, burner control data, and real-time system diagnostics with plain text explanations of how to fix potential lock-out issues. The new display offers 3 language options with one part number – English, Spanish and French.

Enhanced Programming Capabilities

The new display offers many pass code protected enhancements including:

- **Valve Proving Feature** - Allows for programming the Valve Proving Control feature and timing.
- **Post Purge Feature** - Allows for programming the post purge time.
- **Expanded Annunciator Set Up** - Allows for naming the S7830 Expanded Annunciator terminals to match your system's drawings.

Specifications

Electrical Ratings:

- Voltage and Frequency: 13 Vdc peak full wave rectified (+20%/-15%).
- Power Dissipation: 7W maximum. VA consumption: 2 VA maximum.

Terminal Ratings: Power: 13 Vdc peak full wave rectified. Earth Ground.

Environmental Ratings:

- Operating Temperature: 0°F (-18°C) to +140°F (+60°C).
- Storage Temperature: -22°F (-30°C) to +158°F (+70°C).
- Humidity: 85% relative humidity continuous, noncondensing.
- Vibration: 0.5G environment.

Approvals: UL, FM, FCC, EN60730 (see technical literature for full details)

*Not applicable for panel mount applications. Requires new NEMA 4 cover.



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
- Annunciator connection status
- Remote command status
- Lockout message
- Fault history
- Diagnostic status

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DS-18-01 US | 08/18
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