Honeywell

Tester for the 7800 SERIES System With Valve Proving Systems

PRODUCT DATA



NOTE: Series 1000 tester A7800A1010 shown.



NOTE: A7800A2010 tester unit has a grounding pin for use with the 2000 series relays.

APPLICATION

NOTE: There are now two different tester models due to a newly introduced subbase for the 2000 Series that has a proprietary grounding pin that must match the subbase and the 2000 Series Relay. It is important to note which tester model and subsequent subbase is compatible with the relay module(s) when conducting a testing procedure. (See "Wiring Subbase" on page 3 for more details on compatibility.)

The A7800A1010, A7800A2010 Tester provides a quick operational check of the components that make up the 7800 SERIES System (Relay Module, Amplifier, Purge Timer, Keyboard Display Module [KDM]). Function switches and selectors simulate interlocks and control functions that allow the 7800 SERIES of devices to operate through their sequences. Indicator LEDs visually represent outputs as activated.

The A7800A1010, A7800A2010 Tester will automatically sequence most 7800 SERIES devices with the control On/Off and switches set in the Auto position. Exceptions are the RM7823, RM7885, RM7838A,B,C, and RM7888. The semiautomatic controls would require operator actions at certain points in the operating sequence.

The A7800A1010, A7800A2010 Tester can be used manually to step the 7800 SERIES device under test through its sequence. Simply switch the Auto switch positions to Off, then switch them to On or Off at the appropriate time in the operation sequence of the 7800 SERIES device under test. This can be a helpful training tool or to simulate a problem observed on job applications.

Supply Voltage: 120 Vac, 50/60 Hz.

Power Dissipation: 20 Watts.

Fusing: 1.0A (3AG1)—Part Number 192198.

Ambient Storage Temperature Rating: -30°F to 150°F (-34.5°C to 65°C).

Ambient Operating Temperature Rating: 0°F to 120°F (-18°C to 49°C).

Indicator LEDs: See Table 1.

Configuration Plugs: See Table 2.

Toggle Switches: See Table 3.



32-00160-01

Table 1. A7800A1010, A7800A2010 LEDs, Colors and Descriptions.

| LED Position | Color | Description |
|--------------|--------|---|
| 1 | Red | Power |
| 2 | Red | Alarm |
| 3 | Green | Burner Motor |
| 4 | Green | Recirculating Fan, Valve Proving System |
| 5 | Yellow | Ignition (Early Spark Termination [EST]) |
| 6 | Yellow | Intermittent Pilot Valve/IGN |
| 7 | Yellow | Pilot Valve |
| 8 | Yellow | Main Valve |
| 9 | Yellow | DMV/Start/MV2 |
| 10 | Green | Low Fire |
| 11 | Green | High Fire |
| 12 | Green | Modulation |

TESTING PROCEDURE

For detailed step-by-step device operation, refer to the OPERATION and CHECKOUT sections of the instructions for the 7800 SERIES device under test.

Before mounting the relay module on the tester, select and install the correct configuration plug into the Configuration Plug socket J1.



Electrical Shock Hazard. Can cause severe injury, death or property damage. When power is applied to the tester, line voltage is present on relay terminals and/or contacts. Table 2. Configuration Plug Numbers and Device Used.

| Device Tested | Configuration Plug |
|----------------------------------|---------------------------|
| RM7800G,L,M | 203579A |
| RM7800L (VPS configuration) | 203579L |
| RM7823A | 203579G |
| RM7838A | 203579B |
| RM7838B,C | 203579C |
| RM7838B,C (VPS configuration) | 203579J |
| RM7840G,L,M | 203579A |
| RM7840G,L (VPS configuration) | 203579L |
| RM7885 | 203579D |
| RM7888 | 203579C |
| RM7890A,B,C | 203579E |
| RM7890A,B (VPS configuration) | 203579К |
| RM7895A,B,C,D,E,F | 203579F |
| RM7896A,B,C,D | 203579F |
| RM7897A,C | 203579F |
| RM7898A | 203579F |
| RM7898A (VPS configuration) | 203579M |



Equipment Damage Hazard. Use of the wrong configuration plug can damage the relay module.

Make sure the correct configuration plug for the device being tested is in place before mounting the relay module or damage to the device under test can occur.

IMPORTANT

The A7800 Tester for the Honeywell 7800 SERIES of controls is designed for intermittent use during testing of the 7800 SERIES controls. The A7800 Tester is not designed for continuous use.

 When testing 7800 SERIES legacy devices or VPS devices in the non-VPS mode, make sure switch S14 is in the On or Off position.

WIRING SUBBASE

NOTE: There are now two different tester models due to a newly introduced subbase for the 2000 Series that has a proprietary grounding pin that <u>must</u> <u>match the subbase and the relay.</u> It is important to note which tester model and subsequent subbase is compatible with the relay module(s) when conducting a testing procedure.

Series 1000 Subbase

All relay product codes that start with a 1 (example: RM7840G**1**014/U) must be used with tester A780A1010.

Series 2000 Subbase

All relay product codes that start with a 2 (example: RM7840G**2**014/U) must be used with tester A7800A2010.

Subbase Compatibility

Any legacy, field deployed relay modules in the 1000 series will be fully compatible with tester A780A1010 and all newly purchased updated 1000 and 2000 series relay modules.

Any relay module in the new 2000 series will only be able to be tested on A7800A2010, <u>and will not be able to be</u> <u>tested</u> on the A7800A1010 tester as the grounding pin must be present in the subbase for the Series 2000 to operate.

IMPORTANT

Make sure to check the relay model number and check the tester/subbase compatibly prior to attempting a testing procedure.

| Switch | Position | Function |
|-----------------------------|----------|---|
| S1—Flame Simulator | IR | Provides simulated infrared flame signal for 7800 SERIES device. |
| | UV | Provides simulated ultraviolet flame signal for 7800 SERIES device. |
| | RECT | Provides simulated rectification flame signal for 7800 SERIES device. |
| | Optical | Provides simulated flame signal for Optical Amplifiers (R7851B,C or R7852A,B). |
| S2–Flame Mode | Auto | Automatically provides flame signal to 7800 SERIES device at proper time. |
| | Off | Shuts off flame signal to 7800 SERIES device or when flame detector is connected to F and G terminals. |
| | On | Manually provides simulated flame signal to 7800 SERIES device. |
| S3–Shutter | (On/Off) | Provides circuitry for the shutter drive output of the systems. |
| S4—Manual Open Valve Switch | (On/Off) | Provides simulated opening of Main Valve when testing RM7838B,C. |
| S5–Low Fire Switch | Auto | Automatically provides proof of low fire position for 7800 SERIES device. |
| | Off | Shuts off proof of low fire position input for 7800 SERIES device. |
| | On | Manually provides proof of low fire position for 7800 SERIES device. |
| S6—High Fire Switch | Auto | Automatically provides proof of high fire position for 7800 SERIES device. |
| | Off | Shuts off proof of high fire position for 7800 SERIES device. |
| | On | Manually provides proof of high fire position for 7800 SERIES device. |
| S7—Start | | Momentary switch that provides start sequence for manually-operated 7800 SERIES device (RM7885 and RM7838 devices). |
| S8–Stop | | Momentary switch that provides stop sequence for manually-operated 7800 SERIES device (RM7885 and RM7838 devices). |
| S9–Power | (On/Off) | Provides power to entire A7800A1010, A7800A2010. |
| S10–Burner Switch | (On/Off) | Provides power to 7800 SERIES device for startup. |
| S11–Controller (Limits) | (On/Off) | Provides startup demand for 7800 SERIES device. |
| S12–Preignition Interlock | (On/Off) | Provides proven preignition interlock position for 7800 SERIES device. |
| S13–Interlock | Auto | Automatically provides interlock input for 7800 SERIES device. |
| | Off | Provides open interlock input for 7800 SERIES device. |
| | On | Manually provides proven interlock input for 7800 SERIES device. |
| S14—Pilot Valve Hold/VPS | On | Standard RM7838B,C—initiate Pilot Valve Hold Function. |
| | | VPS Device—simulated Closed VPS Switch. |
| | Off | Standard RM7838B,C—disables Pilot Valve Hold function. |
| | | VPS Device—simulates Open VPS Switch. |
| | Auto | Standard RM7838B,C—not applicable. |
| | | VPS Device—closes VPS in proper operation sequence. |

Table 3. A7800A1010, A7800A2010 Toggle Switches.

The A7800A Tester will automatically sequence most 7800 SERIES devices with the control On/Off and switches set to the Auto position. Exceptions are the RM7823, RM7885, RM7838A,B,C, and RM7888.

Keyboard Display Module Options

There are two options for Display Modules (KDM) which will provide text information to describe the sequence operation for the valve proving type relay modules under test:

- 2-line VFD display S7800A1142/U. (See literature number 65-0090-6.)
- New 4-line LCD display S7800A2142/U. (See literature number 32-00110-01.)

Flame Detector Testing

Flame detectors can be tested on the A7800 Tester, using the Flame Detector test jacks (F and G) located on the upper right side of the tester.

- **1.** Install the flame detector leadwires into the test jacks.
- **2.** Place the Flame Simulator switch (S2) in the OFF position.
- **3.** Point the detector at a suitable flame and the flame LED should light on the relay module.
- **4.** If testing the detector as a complete system, point the detector at a suitable flame when the relay module is in the Pilot Flame Establishing Period.

Shutter-Type Detectors

Shutter-type detectors can be tested in a similar manner.

- 1. Unplug the A7800 Tester.
- 2. Remove the protective shield from the wiring subbase.
- **3.** Follow the wiring directions of the detector under test to install the leadwires from the detector to the appropriate subbase terminals.
- **4.** Bring the wires out of the subbase so that they do not interfere or get pinched with the installation of the relay module.

- 5. Plug in the A7800 Tester.
- 6. Make sure the Flame Simulator Switch (S2) and Shutter Switch (S3) are in the OFF position.
- 7. Point the detector at a suitable flame and the flame LED should light on the relay module.
- 8. If testing the detector as a complete system, point the detector at a suitable flame when the relay module is in the Pilot Flame Establishing Period.

Testing 7800 SERIES Devices

The A7800 Tester can step a 7800 SERIES device to full operation by following the step-by-step device operation and switching the appropriate switches from off to on at the proper time.

Use the following tables for switch position for device under test. Make sure the amplifier and purge timer (where applicable) are installed.

Table 4. Switch Positions for RM7800/7840E,G,L,M; Configuration Plug 203579A.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | Auto |
| S6 | Auto |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | Auto |
| S14 | On or Off |

1. Switch S9 to On.

2. Switch S10 to On.

3. Switch S11 to On.

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4. Switch S12 to On.

5. Device sequences to Run.

6. Switch S11 to Off.

7. Device sequences to Standby.

Table 5. Switch positions for RM7800/40G,L (Testing VPS Model Feature); Configuration Plug 203579L.*

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | Auto |
| S6 | Auto |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | Auto |
| S14 | Auto |

- 1. Switch S9 to On.
- 2. Switch S10 to On.
- 3. Switch S11 to On.
- **4.** Switch S12 to On.
- 5. Device sequences to Run.
- 6. Switch S11 to Off.
- 7. Device sequences to Standby.
- *NOTE: If device is not configured to do valve proving and S11 (controller) is turned On, a lockout will occur and blink code 4-6 on the power LED (code 88 on the display, if used).

Table 6. Switch Positions for RM7890A,B,C (without Valve Proving Feature); Configuration Plug 203579E.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | On or Off |

- **1.** Switch S9 to On.
- 2. Switch S10 to On.
- **3.** Switch S11 to On.
- 4. Device sequences to Run.
- 5. Switch S11 to Off.
- 6. Device sequences to Standby.

Table 7. Switch Positions for RM7890A,B,C (with Valve Proving System); Configuration Plug 203579K.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Off |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | Auto |

- 1. Switch S9 to On.
- 2. Switch S10 to On.
- 3. Switch S11 to On.
- 4. Switch S12 to On.
- 5. When Pilot Valve (LED 7) turns on, Switch S2 to On.
- 6. Device sequences to Run.
- 7. Switch S11 to Off.
- 8. Switch S2 to Off.
- 9. Device sequences to Standby.

Table 8. Switch Positions for RM7895A-F/7896A,B,C,D; Configuration Plug 203579F.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | On or Off |

1. Switch S9 to On.

2. Switch S10 to On.

- Switch S11 to On.
 Device sequences to Run.
- 4. Device sequences to Run
- 5. Switch S11 to Off.
- 6. Device sequences to Standby.

Table 9. Switch Positions for RM7897A,C; Configuration Plug 203579F.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | On or Off |

| Table 11. Switch Positions for RM7898A (conducting | |
|---|--|
| Valve Proving Function); Configuration Plug 203579M.* | |
| Switch Initial Position | |

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A ^a |
| S6 | N/A ^b |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | Auto |

1. Switch S9 to On.

2. Switch S10 to On.

3. Switch S11 to On.

4. Switch S12 to On.

5. Device sequences to Run.

6. Switch S11 to Off.

7. Device sequences to Standby.

Table 10. Switch Positions for RM7898A; Configuration Plug 203579F.

| Switch | Initial Position | |
|--------|--|--|
| S1 | Type Amplifier | |
| S2 | Auto | |
| S3 | Off (Unless Dynamic Amplifier is used) | |
| S4 | Off | |
| S5 | N/A | |
| S6 | N/A | |
| S7 | N/A | |
| S8 | N/A | |
| S9 | Off | |
| S10 | Off | |
| S11 | Off | |
| S12 | Off | |
| S13 | N/A | |
| S14 | On or Off | |

1. Switch S9 to On.

2. Switch S12 to On.

3. Switch S10 to On.

4. Switch S11 to On.

5. Device sequences to Run.

6. Switch S11 to Off.

7. Device sequences to Standby.

^a S5 in the On position, RM7898 conducts DSI (no Pilot).
 ^b S6 in the On position, RM7898 operates with Intermittent Pilot.

- 1. Switch S9 to On.
- 2. Switch S12 to On.
- **3.** Switch S10 to On.
- 4. Switch S11 to On.
- 5. Device sequences to Run.
- 6. Switch S11 to Off.
- 7. Device sequences to Standby.
- *NOTE: If device is not configured to do valve proving and S11 (controller) is turned On, a lockout will occur and blink code 4-6 on the power LED (code 88 on the display, if used).

Table 12. Switch Positions for RM7823; Configuration Plug 203579G.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Off |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | On or Off |

- 1. Switch S9 to On.
- Switch S10 to On. 2.
- **3.** Switch S2 to On.
- 4. Audible Relay and RM7823 Flame LED turns On.
- 5. Switch S2 to Off.
- 6. Audible Relay and RM7823 Flame LED turns Off.

Table 13. Switch Positions for RM7885A; Configuration Plug 203579D.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | N/A |
| S6 | N/A |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | N/A |
| S14 | On or Off |

- **1.** Switch S9 to On.
- 2. Switch S10 to On.
- **3.** Switch S11 to On.
- 4. Switch S7 Momentary Switch On-Hold until Flame LED is shown on device.
- NOTE: Some Testers may require the Stop Switch S8 to be switched as well.
- 5. Release the Start Switch S7.
- 6. Device is in Run.
- 7. Switch S8 momentarily to Off.
- 8. Device sequences to Standby.

Table 14. Switch Positions for RM7838A; Configuration Plug 203579B.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | On |
| S6 | Off |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | Off |
| S13 | Auto |
| S14 | On or Off |

- **1.** Switch S9 to On.
- Switch S10 to On. 2.
- Switch S13 to On. 3.
- 4. Switch S6 to On.
- When Start Switch is displayed. 5.
- Switch S6 to Off. 6.
- 7. Switch S7 Momentary Switch On–Hold until Flame LED is shown on Device; Alarm LED will also shut Off.
- NOTE: Some Testers may require the Stop Switch S8 to be switched as well.
- 8. Release the Start Switch S7.
- Device will sequence to Run.
 Switch S8 momentarily to Off.
- 11. Device shuts off the valve outputs, when Flame LED goes out, display will show PURGE HOLD (High Fire Świtch).

Table 15. Switch Positions for RM7838B,C; Configuration Plug 203579C.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | Auto |
| S6 | Auto |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | Auto |
| S14 | On or Off |

- **1.** Switch S9 to On.
- 2. Switch S10 to On.
- 3. Switch S11 to On.
- **4.** When Display reads PURGE HOLD: (Start Switch), switch Momentary Switch S7 to On, then release.
- 5. Device will sequence through Pilot Trial to Main Ignition, then stop (if JR 3 is intact).
- 6. With the B device, the Alarm LED will shut off when flame is sensed.
- Switch S4 to On-RM7838 will sequence to Run (if JR 3 is clipped, you have 10 seconds to switch S4 to On). The RM7838B will not stop its sequence.
- 8. Switch S14 to On. If the amplifier is a Dynamic Check, the RM will begin Pilot Valve Hold Sequence. If a normal amplifier is used, it will lockout for Code 46.
- **9.** Switch S8. The device will shut off valves; when the Flame LED goes out and the Preignition Interlock closes, the RM will purge again.

Table 16. Switch Positions for RM7838B,C (with Valve Proving Feature); Configuration Plug 203579J.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Off |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | Auto |
| S6 | Auto |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | Auto |
| S14 | Auto |

1. Switch S9 to On.

- 2. Switch S10 to On.
- **3.** Switch S11 to On.
- **4.** When Display reads PURGE HOLD: (Start Switch), switch Momentary Switch S7 to On, then release.
- 5. During PFEP, Switch S2 to On.
- 6. The RM will sequence to Run.
- 7. With the B device, the Alarm LED will shut off when flame is sensed.
- 8. Switch S8, the device will shut off valves.
- **9.** When the Flame LED goes out and Preignition Interlock closes, the RM will purge again.

Table 17. Switch Positions for RM7888, PV Return Selected (All Jumpers Intact); Configuration Plug 203579C.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | On |
| S5 | Auto |
| S6 | On |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | On |
| S14 | Off |

- **1.** Switch S9 to On.
- 2. Switch S10 to On.
- **3.** Switch S11 to On.
- 4. Device will sequence to Run.
- 5. Switch S11 to Off.
- 6. Device will sequence to Standby.
- 7. S11 represents Special Function 1 Input.
- S4 represents Special Function 2 Input.
 S6 represents Special Function 3 Input.
- **10.** S12 represents Special Function 4 Input.

Table 18. Switch Positions for RM7888, MV Lo Fire Selected (Jumper 3 only clipped); Configuration Plug 203579C.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | On |
| S5 | Auto |
| S6 | On |
| S7 | N/A' |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | On |
| S14 | Off |

1. Switch S9 to On

- Switch S10 to On. 2.
- Switch S11 to On. 3.
- Device will sequence to Run. 4.
- 5. Switch S11 to Off.
- 6. Device will sequence to Standby.
- S11 represents Special Function 1 Input. 7.
- 8. S4 represents Special Function 2 Input.
- 9. S6 represents Special Function 3 Input.
- 10. S12 represents Special Function 4 Input.

Table 19. Switch Positions for RM7888, DSI Normal selected (Jumpers 2 and 3 clipped); Configuration Plug 203579C.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | On |
| S5 | Auto |
| S6 | Off |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | On |
| S14 | Off |

1. Switch S9 to On.

2. Switch S10 to On.

3. Switch S11 to On.

4. Device will sequence to Run.

5. Switch S11 to Off.

6. Device will sequence to Standby.

7. S11 represents Special Function 1 Input.

8. S4 represents Special Function 2 Input.

9. S6 represents Special Function 3 Input.

10. S12 represents Special Function 4 Input.

Table 20. Switch Positions for RM7888, DSI High/Low selected (Jumpers 1 and 3 clipped); Configuration Plug 203579C.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | On |
| S5 | Auto |
| S6 | Off |
| S7 | N/A |
| S8 | N/a |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | On |
| S14 | On |

1. Switch S9 to On.

2. Switch S10 to On.

3. Switch S11 to On.

4. Device will sequence to Run.

5. Switch S11 to Off.

6. Device will sequence to Standby.

7. S11 represents Special Function 1 Input.

8. S4 represents Special Function 2 Input.

9. S6 represents Special Function 3 Input.

10. S12 represents Special Function 4 Input.

| Switch | Initial Position |
|--------|--|
| S1 | Type Amplifier |
| S2 | Auto |
| S3 | Off (Unless Dynamic Amplifier is used) |
| S4 | Off |
| S5 | Auto |
| S6 | Off |
| S7 | N/A |
| S8 | N/A |
| S9 | Off |
| S10 | Off |
| S11 | Off |
| S12 | On |
| S13 | On |
| S14 | Off |

Table 21. Switch Positions for RM7888, DSI On/Off selected (Jumpers 1 and 2 clipped); Configuration Plug 203579C.

Switch S9 to On.
 Switch S10 to On.

3. Switch S11 to On.

4. Device will sequence to Run.

5. Switch S11 to Off.

Device will sequence to Standby.
 S11 represents Special Function 1 Input.
 S4 represents Special Function 2 Input.

S6 represents Special Function 3 Input.
 S12 represents Special Function 4 Input.

For More Information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

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