

P7911C PressureTrol® Controller

PRODUCT DATA



FEATURES

- Use only with steam, air or noncombustible gases that do not corrode the pressure sensing element.
- Models available in 15, 150 and 300 psi (103, 1034 and 2069 kPa) maximum setpoints:
 - P7911C1002 — 120 Vac, 15 psi (103 kPa)
 - P7911C1010 — 120 Vac, 150 psi (1034 kPa)
 - P7911C1028 — 120 Vac, 300 psi (2069 kPa)
- Light Emitting Diode (LED) indicators show power, call for heat function and lockout status.
- Clear cover allows setpoint and differential to be read, but not adjusted without opening the cover.
- Manual reset possible without opening the cover.
- Electronic maximum fixed stop limit.

APPLICATION

The P7911C PressureTrol® Controller is a line voltage pressure controller for pressure systems up to 300 psi (2069 kPa). The P7911C provides On/Off Control, High Limit and 4 to 20 mA pressure value.

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SPECIFICATIONS

Model:

P7911C PressureTrol® Controller with On/Off control, boiler pressure and safety high limit.

Electrical Ratings:

Power Input: 120 Vac (+10% /-15%), 50/60 Hz (±10%).

Power Consumption: See Table 1.

Output Impedance: 300 ohm maximum.

Table 1. Power consumption.

Rating	120 Vac	
	50 Hz	60 Hz
Watts	2.8	2.8
VA	7.0	7.0

Switch Contact Ratings: See Table 2.

Table 2. Switch contact ratings.

Relay	Load Type	120 Vac
Control	Amps Full Load (FLA)	9.8A
	Amps Locked Rotor (ALR)	58.8A
	Non-Inductive	10.0A
Alarm	Pilot Duty	1.0A

Sensor Material: 304 stainless steel.

Pressure Connector: 1/2 in. NPT.

Case Material: Plastic.

Electrical Terminations: Screw terminals.

Accuracy: ±4.0 percent full scale output operating range, over operating temperature.

Environmental Ratings:

Operating Temperature Range: 32°F to 140°F (0°C to 60°C).

Storage Temperature Range: -20°F to +150°F (-29°C to +66°C).

Humidity: 5% to 95% relative humidity, noncondensing.

Vibration: 0.5G continuous maximum vibration.

Dimensions: See Fig. 1.

Mounting Position: Upright, see Fig. 2.

Device Weight: 2.0 lb, 8 oz (1.15 kg).

Approvals:

Underwriters Laboratories Inc.: Listed; MP466, Vol 30, Sec 1. Canadian Standards Association Certified; Certificate 1355621 (LR095329).

Factory Mutual Approved; Certificate 3018936.

CSD-1 AFB (Control Safety Devices, Automatic Fired Boilers): Acceptable.

FCC Class A, computing devices, part 15.

Accessories:

209731A Siphon Loop with 1/2 in. NPT threads.

4074EWD Mounting Bracket with six screws.

4074EDC or EED Bag Assembly to interface 4 to 20 mA with Series 90 Firing Rate Motor.

Replacement Parts:

4074EWC Door Assembly with captive screw and adjusting wrench (replacement part for P7911C).

4074EVP Door Wrench.

Pressure Ratings: See Table 3.

Table 3. Pressure ratings (psig).

Pressure Range	Maximum Setpoint	Differential	Overpressure	Burst Pressure
0 to 15	15	2 to 10	22.5	60
0 to 150	150	5 to 20	225	600
0 to 300	300	15 to 50	450	1200

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number. If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Environmental and Combustion Controls Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386
3. <http://customer.honeywell.com> or <http://customer.honeywell.ca>

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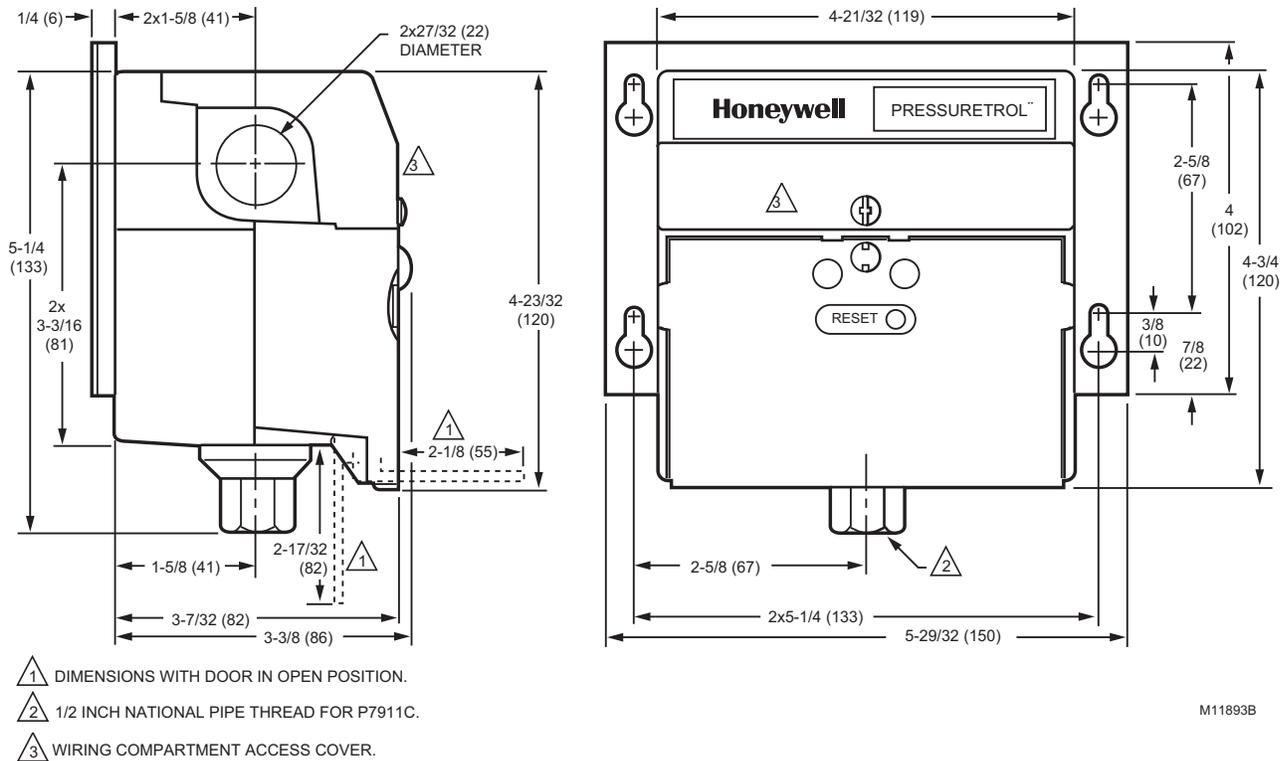


Fig. 1. Approximate dimensions of P7911C PressureTrol® Controller in in. (mm).

INSTALLATION

When Installing This Product...

1. Read the instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check ratings (pressure and voltage, for example) and description given in the specifications to make sure the product is suitable for your application.
3. Installer must be a trained, experienced technician.
4. After installation is complete, check out product operation as provided in these instructions.

! WARNING

Electrical Shock Hazard and Explosion Hazard. Can cause severe injury, death or property damage.

1. Disconnect power supply before installation. More than one disconnect may be involved.
2. Allow pressure to decrease to atmosphere from the pressure vessel before removing old control.
3. Follow all installation and checkout procedures for safe installation.

IMPORTANT

Do not remove the overpressure inlet seal until ready to connect piping, to prevent contamination of inlet.

Location

Install the P7911C PressureTrol® Controller above the boiler water line when used with steam boilers. Connect the siphon loop (part number 209731A or equivalent) between the P7911C Controller and the boiler to prevent scale and corrosive vapors from attacking the controller sensor element. Mount the P7911C Controller next to the pressure gauge in the manufacturer-provided fitting on the boiler. See Fig. 2 and 3. Mount at a remote location to avoid excessive vibration, or mount in a special mounting on a low water cutoff.

IMPORTANT

1. Locate the P7911C PressureTrol® Controller where ambient temperature does not exceed 140°F (60°C).
2. Use pipe compound sparingly to avoid clogging the hole in the pipe or the sensor element fitting.
3. Do not hand tighten the controller connection by holding the case. Use a wrench on the flats of the sensor fitting to avoid leaks and damage to the case.
4. Level the controller for appearance.
5. Install the P7911C where the relative humidity never reaches the saturation point. The P7911C is designed to operate in a maximum 85 percent relative humidity, continuous, noncondensing moisture environment. Condensing moisture can cause a shutdown.
6. Do not install the P7911C where it could be subjected to vibration in excess of 0.5G continuous maximum vibration.
7. The P7911C is not designed to be weather-tight. If installed outdoors, protect the P7911C with an approved weather-tight enclosure.

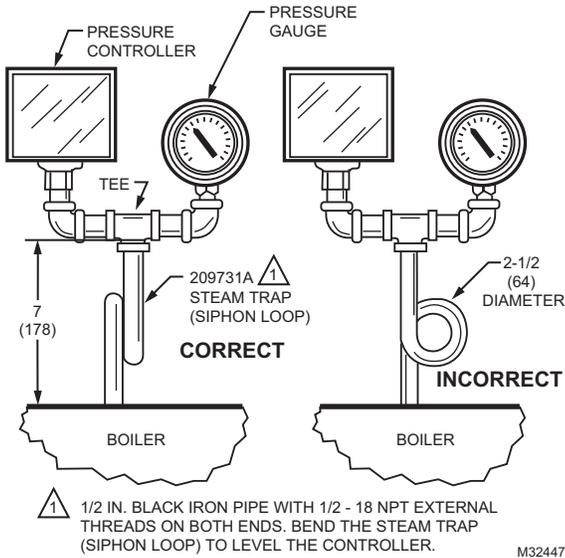


Fig. 2. Right and wrong mounting of steam trap (siphon loop) for the P7911C, with approximate dimensions in in. (mm).

Mounting

Make all pipe connections in accordance with applicable local standards. Use parallel jaw wrench to tighten P7911C Controller hexagonal fitting to avoid leaks and damage to the case.

Mounting P7911C Controller next to pressure gauge

To mount the P7911C PressureTrol® Controller next to the pressure gauge:

1. Remove the pressure gauge.
2. Replace the gauge with a siphon loop with tee connector on top.

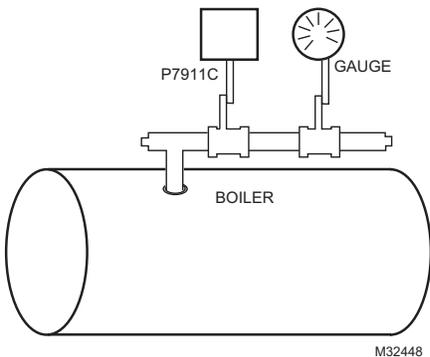


Fig. 3. Connecting P7911C PressureTrol® Controller to steam boiler.

3. Mount the P7911C Controller and pressure gauge on the end of the tee.
4. If not convenient to mount the P7911C Controller next to the pressure gauge, install a siphon loop in the manufacturer-provided fitting.
5. If there is no fitting, mount the siphon loop at the boiler manufacturer recommended location.
6. Attach the P7911C Controller directly to the siphon loop.
7. Level the P7911C Controller after the installation.

NOTE: The P7911C model requires 1/2 in. (13 mm) mounting, either directly or on a siphon loop.

Remote Location Mounting

Excessive vibration at the boiler can damage the P7911C Controller electronics.

1. Mount the P7911C Controller at a remote location to eliminate vibration problems.
2. Make sure that all piping from the boiler is suitable to the application and is solidly mounted.
3. Pitch the piping properly to drain the condensate back to the boiler.
4. Mount the siphon loop between the remote piping and the P7911C Controller.
5. Level the P7911C Controller after the installation.

WIRING



WARNING

Electrical Shock Hazard.

Can cause severe injury, death or property damage.

Disconnect the power supply before wiring. More than one disconnect may be involved.

All wiring must comply with applicable electrical codes, ordinances and regulations. Use NEC Class 1 line voltage wiring.

For nominal installation, use moisture-resistant No. 14 wire (maximum size allowed) suitable for at least 167°F (75°C) or 194°F (90°C) for Flame Safeguard Primary Controls.

Use shielded wire for 4 to 20 mA modulating output and terminate the shield to earth ground. Do not run these wires in the same conduit as high voltage ignition wires.

All P7911C PressureTrol® Controllers have terminal screws and 27/32 in. (22 mm) holes in both sides for conduit, cables and wiring. Remove the top cover by loosening the screw at the top of the P7911C Controller case.

Follow the burner or boiler manufacturer wiring diagram, if provided. Make sure the loads do not exceed the contact ratings in the Specifications section. See Fig. 4 for terminal locations and Fig. 5 for typical wiring hookup.

Table 4 provides conversion wiring information for upgrading older P7911 devices to newer series.

Replace the front cover after completing the wiring.

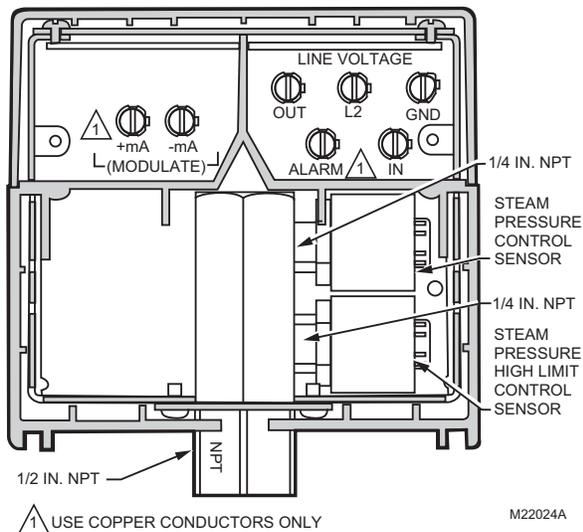


Fig. 4. P7911C PressureTrol® Controller.

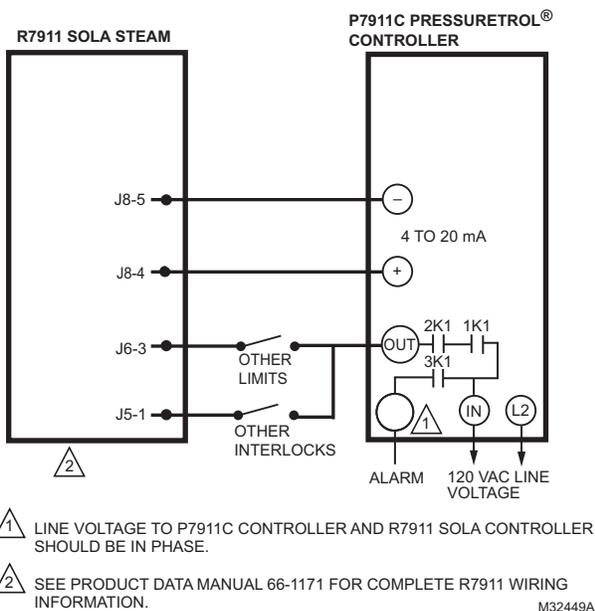


Fig. 5. Wiring connection for P7911C to R7911 Sola steam controller.

Table 4. P7911C wiring terminals.

Signal/Input	P7911C Terminals
4 to 20 mA signal output (-)	-mA
4 to 20 mA signal output (+)	+mA
Limit string output to programmer	OUT
120 Vac Power Supply (L1)	IN ^a
120 Vac Power Supply (L2)	L2
Earth Ground	GND
External Alarm Device	ALARM

^a If any additional/external limits are used, make sure they are inserted between the P7911C PressureTrol® Controller and the Sola R7911 in the Limit string.

OPERATION

The P7911C uses integral electronic pressure sensors to sense pressure at the inlet through an internal manifold. The control sensor connects to the internal manifold with 1/4 inch NPT threads and provides the pressure signal to control a relay for the on/off control function. The same sensor provides the information for the 4 to 20 mA boiler pressure output.

A separate integral electronic pressure sensor is required to provide the high limit function. This sensor also connects to the internal manifold with 1/4 inch NPT threads. P7911C devices contain two internal sensors and require a 1/2 inch NPT mounting to the steam pressure header. Devices with high limits lock out at setpoint and require manual reset when pressure returns below the setpoint. Devices will not reset with power interruption.

The P7911C has on/off function, 4 to 20 mA boiler pressure output, and safety high limit function in one control. A 1/2 inch NPT mounting is required to the steam pressure header.

Pressure On/Off Control Function

When pressure increases to the control setpoint, the control relay contacts open. The relay contacts close when the pressure decreases to a level at or below (differential) the control range differential setting. This cycle continues until power is removed, opening the relay. See Fig. 6.

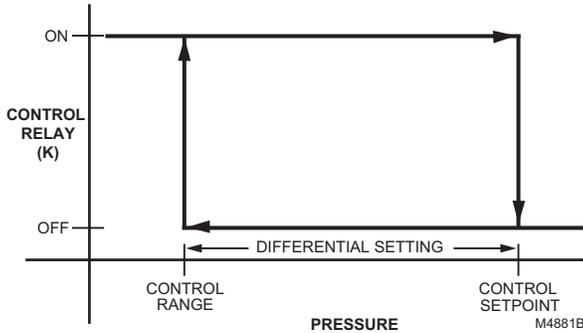


Fig. 6. P7911C on/off control function versus pressure.

Limit Function

The Limit potentiometer has two functions:

- a. To set the **Maximum Fixed Stop Limit**. This is the maximum pressure setting that the P7911C control can be adjusted to and still perform its intended function (i.e., safety shutdown).

! CAUTION

Equipment Damage Hazard.
Exceeding pressure vessel limits can damage equipment.

The **Maximum Fixed Stop Limit** pressure setting must not exceed the maximum working pressure rating of the pressure vessel. Adjust the **Maximum Fixed Stop Limit** setting to the maximum working pressure rating that is stamped on the pressure vessel by the manufacturer.

- b. To set the **High Limit Setpoint**. This is the desired pressure value to which the P7911C control is adjusted at which it performs its intended function (i.e., safety shutdown).

The High Limit Setpoint can be set lower than the internal stored Maximum Fixed Stop Limit Value and will provide system lockout at the knob setting. For example, the internal stored Maximum Fixed Stop Limit Value is 12 psi and the knob is set at 10 psi. System lockout is at 10 psi. The LED pattern will be green on and yellow blinking slowly.

The High Limit Setpoint can be set above the internal stored Maximum Fixed Stop Limit Value but it will have no functional effect. For example, the internal stored Maximum Fixed Stop Limit Value is 12 psi and knob is set at 14 psi. Lockout will occur at 12 psi. The LED pattern will be green on and yellow blinking fast.

When pressure increases to the high limit setpoint, the relay contacts (1K1, 2K1) open and the P7911C indicates a safety lockout by alternately flashing the yellow and green LED. The P7911C remains in this condition until the manual reset button (see Fig. 1) is pressed. The Alarm relay contacts (3K1) will close, providing a 120 Vac output on the Alarm terminal.

Reset Switch Functions

The Reset Switch has the functions listed in Table 5.

P7911C PressureTrol® Controller Setup

For the P7911C PressureTrol® Controllers with more than one function (control and high limit), adjust setpoints and differentials separately for each function.

! CAUTION

Equipment Damage Hazard.
Improper setting of control setpoint and control range knob errors can damage the P7911C.

Adjust setpoints and differentials using the knobs on the front of the P7911C PressureTrol® Controller.

Set the knobs to the desired points by aligning the center of the knob arrow with the desired mark on the scale plate. See Fig. 7.

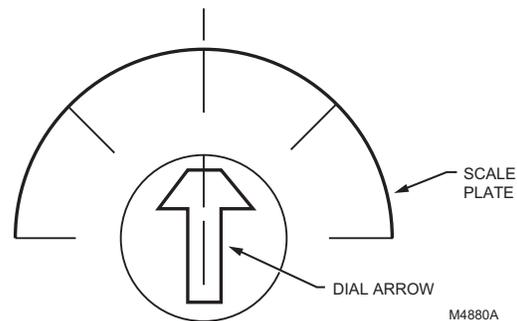


Fig. 7. Setting control setpoint and control range knobs.

Table 5. Reset switch function, P7911C.

P7911C Modes of Operation					
Reset Switch Action	Lockout	Unconfigured	(Run) Normal Operation	Power-up (Configuration Time Expired)	Power-up (Configuration Time Not Expired)
Press and Continuously Hold.	Blink existing fault code until the reset switch is released.	Both LED turn on after three seconds, indicating the Maximum Fixed Stop Limit Value has been stored. Wait for up to 30 seconds for a release. Enter lockout after 30 seconds.	The green LED turns off and the yellow LED turns on, waiting until the reset switch is released.	Both LED turn on. Wait for up to 30 seconds for a release. Lockout after 30 seconds. If released within 30 seconds, enter normal operation.	Enter unconfigured mode of operation.
Press and release.	Clear the fault code and reset the P7911C.	Press and release of the Reset Switch within three seconds is ignored. If the Reset Switch is pressed for more than three seconds, both LED turn on and the Maximum Fixed Stop Limit Value is stored into non-volatile (NV) memory. Upon release, the device will recycle and enter normal operation.	Resets the control.	Enter normal operation.	Enter unconfigured mode of operation.

IMPORTANT

P7911C devices must set Maximum Fixed Stop Limit Value function first.

Setting Maximum Fixed Stop Limit Value



CAUTION

Equipment Damage Hazard.
Exceeding pressure vessel limits can damage equipment.

The **Maximum Fixed Stop Limit** pressure setting **must not** exceed the maximum working pressure rating of the pressure vessel. Adjust the **Maximum Fixed Stop Limit** setting to maximum working pressure rating that is stamped on the pressure vessel by the manufacturer.

IMPORTANT

The Maximum Fixed Stop Limit Value must be programmed first for the P7911C to operate.

1. Initial Startup—Maximum Fixed Stop Limit Value is unprogrammed.
 - a. Green LED (Control LED)—Blinking rapidly (1/2 second on, 1/2 second off).
 - b. Yellow LED (Power LED)—On steady and bright.
2. Setting the Maximum Fixed Stop Limit Value.
 - a. Monitor the 4 to 20 mA output.
 - b. Turn the Limit Setpoint knob to the desired setting and confirm by comparing the current noted to the corresponding reading in Table 6. Ensure that the mA output is stable before using the value.
 - c. Press and hold the Reset Switch.
 - d. Release the Reset Switch when both LED turn on.
 - e. The Maximum Fixed Stop Limit Value is set and the device will recycle and attempt to enter the Run mode.
 - f. After an accumulated run time (Call for Heat) of eight hours, the Maximum Fixed Stop Limit Value setting will be permanently stored in the P7911C memory. Changing the Maximum Fixed Stop Limit Value setting after this time will then be ineffective.

Table 6. Setting maximum fixed stop limit value—current readings.

15 psi	150 psi	300 psi	4 to 20 mA Output
0	0	0	4.00
1	10	20	5.07
2	20	40	6.13
3	30	60	7.20
4	40	80	8.27
5	50	100	9.33
6	60	120	10.40
7	70	140	11.47
8	80	160	12.53
9	90	180	13.60
10	100	200	14.67
11	110	220	15.73
12	120	240	16.80
13	130	260	17.87
14	140	280	18.93
15	150	300	20.00

Changing the Maximum Fixed Stop Limit Value Setting (if Run Time is less than eight hours)

1. Remove power from the P7911C.
2. Press and hold the Reset Switch, then apply power to the P7911C.
3. When the green LED blinks rapidly, release the Reset Switch.
4. Follow the steps in Setting the Maximum Fixed Stop Limit Value, above.

NOTE: If both LED turn on, the configuration timer (one hour) has expired. Release the Reset Switch and continue normal operation. Changing the Maximum Fixed Stop Limit Value Setting is no longer allowed.

Checking the Maximum Fixed Stop Limit Value (Stored in Memory)

NOTE: The P7911C must be powered and in the Run mode.

1. Record the original location of the Limit setpoint knob. Make sure that the Limit setpoint knob is set (moved to) a lower value than the Maximum Fixed Stop Limit Value setpoint. The green LED will be reflective of the call for heat status and the yellow LED will blink slowly.

IMPORTANT

Do not decrease the Limit Setpoint knob far enough to cause a lockout.

2. Very slowly increase the Limit setpoint knob until the yellow LED begins to blink fast. The current position of the Limit setpoint now represents the Maximum Fixed Stop Limit Value setpoint stored in memory.
3. Return the Limit setpoint knob to the original location (step 1).

Setting High Limit Setpoint

After the Maximum Fixed Stop Limit Value has been stored into memory, adjust the Limit setpoint knob to the desired pressure value at which safety shutdown (lockout) will occur when the vessel pressure exceeds this setpoint value.

NOTE: The High Limit setpoint value can be less than or equal to the Maximum Fixed Stop Limit Value but cannot be set to a value higher than the Maximum Fixed Stop Limit Value.

Pressure On/Off Control

Adjust the setpoint and differential using the potentiometer knobs on the front of the controller. The differential is a subtractive value from the setpoint adjustment. The upper operating point is determined by the control setpoint, while the lower operating point is determined by the control range setting (control setpoint minus the differential setting).

Set the potentiometer knobs to the desired point by aligning the center of the arrow on the potentiometer knob with the desired mark on the scale plate. See Fig. 7.

Yellow LED ON constantly indicates power applied; green LED On indicates closed contact or call for heat.

LED Display (Tables 7 and 8)

The yellow LED is always lit with power applied to the P7911C PressureTrol® Controller. The microprocessor changes the brightness of the yellow LED to indicate normal operation, turns the green LED on and off to indicate call for heat status and flashes both LED to indicate a fault.

NOTE: The term “flashing” means on/off/on/off for the green LED and bright/dim/bright/dim for the yellow LED.

Press and hold the Reset Switch to access internal diagnostics. The green (right) LED will flash a series of long followed by a series of short flashes. Count the long and short flashes and check the fault code table (Table 8) for information. For example: four long and three short flashes is code 43. If you miss the code the first time, keep holding the Reset Switch down and the code will repeat. Letting go of the Reset Switch clears the fault information and resets the P7911.

Table 7. P7911C blink codes.

Yellow	Green	Control State
Off	Off	Device off.
No LED blinking		Device on, Central Processing Unit (CPU) malfunction.
Slow Blink	Off	Run mode, output off, Limit potentiometer setpoint used.
Slow Blink	On	Run mode, output on, Limit potentiometer setpoint used.
Fast Blink	Off	Run mode, output off, Internal Maximum Fixed Stop Value setting used.
Fast Blink	On	Run mode, output on, Internal Maximum Fixed Stop Value setting used.
Alternating Fast Blinks		Lockout, output off, high limit exceeded, Alarm output engaged.
Simultaneous Fast Blinks		Lockout, output off, internal fault, Alarm output engaged.
On, Bright	Fast Blink	Output off, internal Maximum Fixed Stop Value setting not set.

Table 8. LED fault codes and recommended troubleshooting.

Fault Code	System Failure	Recommended Troubleshooting
11	High Limit Setpoint Exceeded.	When pressure in vessel returns to normal, P7911C can be reset.
12-32, 71-90, 92	Internal fault.	Reset P7911C; if same fault occurs again, replace P7911C.
51, 54, 61	Internal fault—internal relays welded.	Verify loads do not exceed rating of P7911C contacts, then replace P7911C.
52-69, 91	Relay fault.	Verify that no voltage potential exists on Output terminal. If code repeats after normal operation, look for back feed of voltage greater than 50V (ac or dc) any time during boiler sequence. Replacing P7911C will only result in same lockout on new control.

CHECKOUT

WARNING

Electrical Shock Hazard and Explosion Hazard. Can cause severe injury, death or property damage.

1. Line voltage is present at the P7911C and all controller circuits. Use extreme care during checkout.
2. This checkout procedure disables the Safety High Limit function.

IMPORTANT

1. Do not put the system into service until all applicable tests described in the Checkout section of the instructions for the primary safety control and any additional tests required by the burner or boiler manufacturer are satisfactorily completed.
2. Close all manual fuel shutoff valves when trouble occurs.

After installation and wiring, check out the P7911C PressureTrol® Controller with the system in operation.

Checkout

1. Allow the system to stabilize.
2. Observe the operation of the P7911C while raising and lowering the setpoint. Pressure increases when the setpoint is increased and decreases when the setpoint is decreased.
3. Check the make and break points of the P7911C. If they do not agree with a separate, accurately calibrated pressure gauge, make a slight adjustment according to the scale. Use accurate pressure testing equipment

when checking out the P7911C. Do not rely on inexpensive gauges. The P7911C is carefully calibrated at the factory.

Test the P7911C PressureTrol® Controller as follows:

NOTE: Make sure the P7911C is operating properly by checking the LED indicators. If the P7911C LED indicate a lockout condition, press the manual Reset Switch.

NOTE: This procedure simulates pressure changes using knob setpoint adjustments. Make knob adjustments very slowly because of filtering delays within the P7911C (20 to 25 seconds for full scale changes). Inaccuracy can result if knob adjustments are not made very slowly. To observe actual P7911C control accuracy, set the knobs to normal operating values. Compare the knob settings to the boiler pressure readings where P7911C actions occur.

To check the control setpoint of the P7911C:

1. Note the boiler pressure by checking the boiler pressure gauge. To properly perform these tests, the boiler pressure should be near the middle of the P7911C pressure range.
2. Turn the P7911C Limit setpoint knob fully clockwise to make sure this limit does not interfere during steps 4 and 5. This setting must be returned to the proper operating position when return the system to normal operation.
3. Check the control setpoint and control differential.
4. Set the control differential knob to the center of its range.

5. Turn the control setpoint knob fully counterclockwise and make sure the P7911C control circuit is open and the green LED is off (no call for heat).
6. Read the boiler pressure gauge and add this number to the control differential setting.
7. Turn the control setpoint knob slowly clockwise and make sure the control circuit closes and the P7911C indicates a call for heat (green LED on) when the P7911C control setpoint passes through the value determined in step 6.
8. Turn the control setpoint knob slowly counterclockwise and make sure the control circuit opens and the P7911C no longer indicates a call for heat (green LED off) when the control setpoint passes through the boiler pressure gauge value.

Check the limit setpoint as follows (boiler pressure required):

1. Turn the control setpoint knob clockwise until the control circuit closes. Make sure the yellow LED is flashing and the green LED is on, indicating normal operation with a call for heat.
2. Turn the limit setpoint knob slowly counterclockwise and make sure that the P7911C opens the circuit and indicates a safety lockout by alternately flashing the yellow and green LED (see LED Display section) when the limit setpoint passes through the boiler pressure gauge value.
3. Make sure that the Alarm output is energized.

Check for normal system operation as follows:

1. Set all knobs to the required operating position.
2. Press the Reset Switch to clear the safety lockout condition.
3. Start the system and observe the operation through at least one complete cycle to make sure the P7911C functions properly as described in the Operation section.

TROUBLESHOOTING



WARNING

Electrical Shock Hazard.

Can cause severe injury, death or property damage.

Line voltage is present in the P7911C and in all controller circuits. Use extreme care when troubleshooting.

To determine control malfunctions, use checkout procedures as listed in the Checkout section.



CAUTION

Equipment Damage Hazard.

Can cause equipment damage or improper operation.

Do not put the system into service until you have satisfactorily completed all applicable tests described in this checkout section, and also all tests in the Checkout section of the applicable instructions for the primary safety control and any other tests the burner and boiler manufacturer require.

SERVICE INFORMATION



WARNING

Electrical Shock Hazard.

Can cause severe injury, death or property damage.

1. Only qualified Flame Safeguard technicians should attempt to service Flame Safeguard controls and burners.
2. Line voltage is present in the electrical circuits to the P7911C PressureTrol® Controller. Open the master electrical switch before replacing the device. More than one power supply disconnect may be involved.

Scheduled Inspection and Maintenance

Calibration

The P7911C PressureTrol® Controller was carefully calibrated during manufacturing and does not require field calibration.

Maintenance

Keep the cover of the P7911C PressureTrol® Controller in place at all times to protect the internal components from dust, dirt and physical damage. Routine maintenance consists of occasional inspection and removal of accumulated dirt and dust. Make sure the P7911C PressureTrol® Controller is functioning properly by performing an operation check of the entire system during routine maintenance checks.

Automation and Control Solutions

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