



PRO-LC

IRRIGATION CONTROLLER



INSTALLATION, PROGRAMMING AND OPERATION MANUAL

DECLARATION OF CONFORMITY

This unit has been designed to provide protection against harmful interference in a residential install. This equipment uses, generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. There is no guarantee that interference will not occur in any particular install.

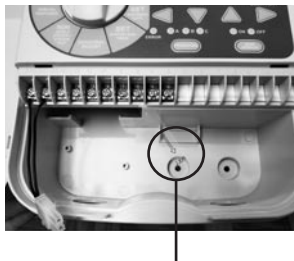
If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and back on again, the user is encouraged to try to correct the interference by:

- (1) increasing the separation between the equipment and receiver;
- (2) connecting the equipment into an outlet on a different circuit from the receiver;
- (3) consulting the dealer or an experienced radio / TV technician for help.

Changes or modifications to this equipment could void the user's authority to use the equipment as well as the warranty.

INTRODUCTION

The Pro-LC Controller is available as indoor or outdoor models. The unit consists of a master valve/pump start, common, sensor and terminals that will accommodate up to 12 electric valves.



NOTE: Remove the pull tab once you are ready to start using the controller. This engages the coin cell battery.

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CONTROLS AND PUSH BUTTON

LCD DISPLAY

- ① Displays the time of day and day of the week
- ② During programming shows the results of entered commands
- ③ During watering shows the valve that is on and the minutes remaining in its run time

ERROR/ALARM LED

turns on when one of the following occurs:

- ① Watering is suspended by a sensor
- ② The controller senses a valve short circuit
- ③ A programming error has been made.

DOWN / UP BUTTONS

Used to set time / date and to make program changes.

SENSOR BYPASS SELECT BUTTON

Used to tell the controller to obey or ignore sensor input.

MANUAL START / NEXT BUTTON

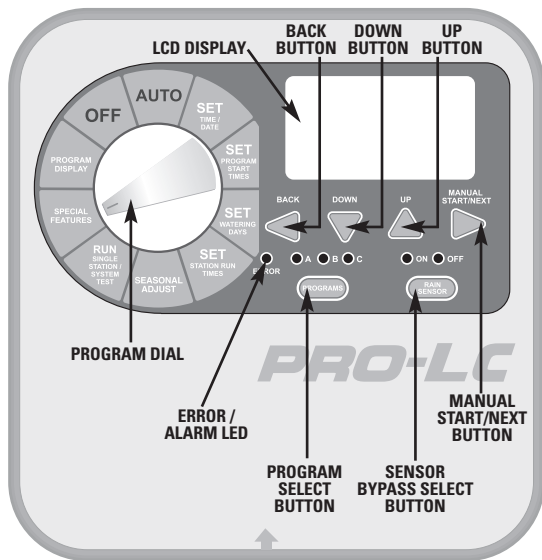
Used to start a selected irrigation program manually, or to manually advance watering from one station valve to the next.

PROGRAM DIAL

- ① Used to turn the controller on and off and to program.
- ② Used to run on Automatic and to discontinue watering (OFF)
- ③ Used to select desired controller setting functions (SET)
- ④ Shows total content of a program (PROGRAM DISPLAY)
- ⑤ Used to allow setting controller special features (SPECIAL FEATURES)
- ⑥ Used to run single stations or system test cycles (RUN)

PROGRAM SELECT BUTTON

Used to select watering program A, B or C.



SETTING THE CONTROLLER TO OFF

1. Turn dial to "OFF". Wait for confirmation beep.

When the dial is in the "OFF" position no watering occurs. The display will show "OFF," the time of day and day of the week.

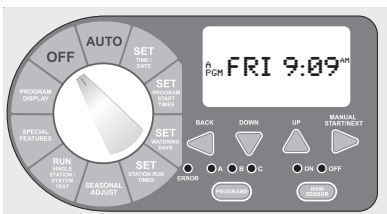
NOTE: Pressing any button will momentarily display the current "REVISION NUMBER," "K-RAIN" or full display screen.



SET CONTROLLER TO RUN AUTOMATICALLY

1. Turn the dial to "AUTO"

When the dial is in the "AUTO" position the controller will run in automatic mode. The display will show the selected program, the day of the week and the time of day. The controller will turn on automatically to meet ANY programmed water schedules.



PROGRAM SELECT BUTTON

The Pro-LC controller has three separate programs, A, B and C. Multiple programs allow valves automatic operation with different watering days and start times.

You can program any valve to run in one or more of the three programs.

1. To select a program, press the PROGRAM select button on the front panel to select program A, B or C.
2. The display briefly shows the program selected.
3. The selected program then appears on the left side of the display.
4. Any programming instructions entered will apply only to the selected program.

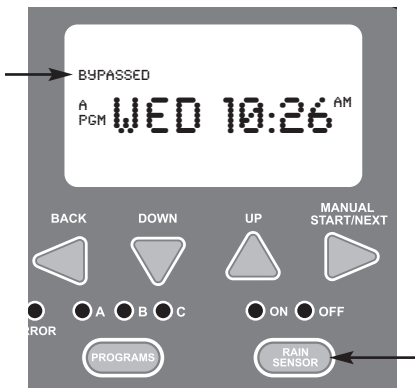


The purpose of a rain sensor is to stop automatic watering when sufficient precipitation has been reached.

The rain sensor select button allows the user to bypass the rain sensor. If a rain sensor has been installed, and BYPASSED has been selected, then BYPASSED will be displayed in the upper left corner of the LCD.

NOTE: When the rain sensor select button is in the ON position a rain sensor or wire jumper must be installed in order to run a program.

Refer to page 13 for further details.



As the program dial is rotated the display automatically changes. The flashing value within the display can be increased or decreased by pressing the DOWN or UP buttons. To go back or advance to the next value press the BACK or NEXT buttons.

Because of variations in plant watering needs the Pro-LC has three separate programming options; A, B and C. Each program is completely independent of each other and the controller will automatically stack programs that overlap. This allows for all programmed watering to occur because only one program will run at a time and in alphabetical order.

Only one start time per program (A, B or C) is required to operate all stations with a run time. The controller automatically and numerically advances operation to the next station without the need for additional start times.

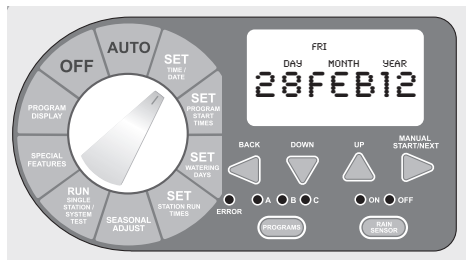
For additional watering, each program can be set with up to four separate start times. This allows for greater irrigating efficiency when all watering can't be done during a single operation (cycle and soak).

NOTE: A program must contain at least one start time, watering day(s) and one station with a run time in order to operate.

SET TIME / DATE

1. Turn the dial to SET TIME / DATE, the LCD will display the time of day. The word "HRS" will be flashing in the display.
2. Press DOWN or UP buttons to set current hour.
3. To change minutes, press the NEXT button. The word "MIN" will be flashing in the display.
4. Press DOWN or UP buttons to set current minutes.
5. To set the current date, press the NEXT button. The word "DAY" will be flashing in the display.
6. Press DOWN or UP buttons to set current day.
7. To set the current month press the NEXT button. The word "MONTH" will be flashing in the display.
8. Press DOWN or UP buttons to set current month.
9. To set the current year press the NEXT button. The word "YEAR" will be flashing in the display.
10. Press DOWN or UP buttons to set current year.
11. Return the dial to AUTO.

NOTE: The Pro-LC controller can be set for either 12 or 24 hour display. Pressing the BACK and NEXT buttons SIMULTANEOUSLY will allow user to toggle between 12 or 24 hour display.



SET PROGRAM START TIMES

The Pro-LC controller will allow up to four separate watering start times for each program.

1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) you wish to assign a start time.
2. Turn the dial to SET PROGRAM START TIMES. The display will show the first start time currently set for the selected program.
3. Press DOWN or UP buttons to change start time. The time setting change is in 15-min. increments.
4. To eliminate a watering start time, press DOWN or UP buttons until "OFF" appears in the display. The OFF setting is located between 11:45 p.m. and 12:00 a.m.
5. When additional start times are needed press NEXT button to display next watering start time. Repeat steps 4 through 6 for setting additional start times.
6. Return the dial to AUTO.

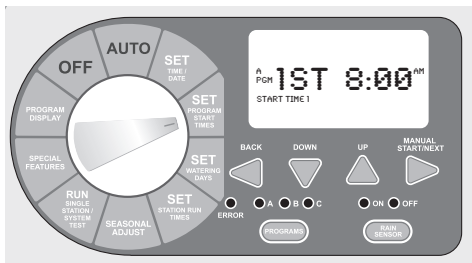
SET WATERING DAYS

The Pro-LC controller can be programmed to operate within three different watering cycles.

CUSTOM waters on the days of the week you select.

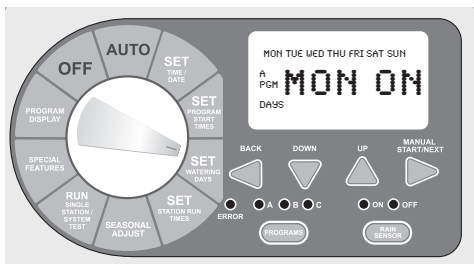
ODD waters only on odd number days of the month.

EVEN waters on even numbered days of the month.



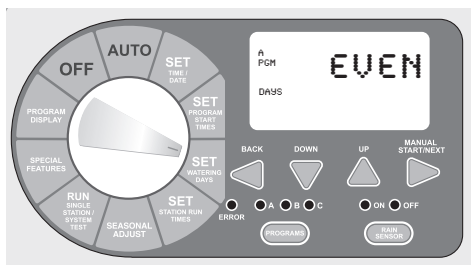
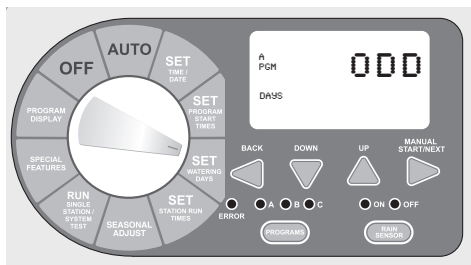
SET CUSTOM OPERATION

1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) you wish to assign watering days.
2. Turn the dial to SET WATERING DAYS. "MON ON" should appear in the display.
3. Press the DOWN or UP buttons to enable (ON) or disable (OFF) day of the week operation.
4. Press the NEXT button to advance to the next day of the week. Repeat steps 3 and 4 until all days of the week have been set.
5. Return the dial to AUTO.



SET ODD/EVEN OPERATION

1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) you wish to assign odd or even watering.
2. Press the BACK and NEXT buttons SIMULTANEOUSLY until "ODD" or "EVEN" appears in the display.
3. Return the dial to AUTO.



SET STATION RUN TIMES

Stations 1–12 can be set to run from one minute up to six hours. The first hour settings are in one minute increments. The remaining five hours can be set in ten minute increments.

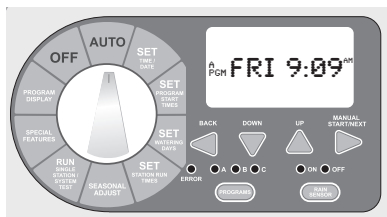
1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) you wish to assign a run time.
2. Turn the dial to SET STATION RUN TIMES. The display will show all available stations. The first available station number will be flashing.
3. Press the DOWN or UP buttons to set the number of minutes/hours you wish the station to operate (run time). For stations that don't require a run time set to "OFF."
4. Press the NEXT button to advance to the next station number in sequence. Repeat steps 3 and 4 until you have set a run time for each desired station in the selected program.
5. Return the dial to AUTO.

MANUAL PROGRAM OPERATION

When a full program operation is needed, the user can manually start any of the three (A, B or C) programs.

1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) you wish to manually operate.
2. Turn the dial to AUTO.
3. Press MANUAL START / NEXT button to start the selected program.
4. The display will show "RUN," the station currently running and the remaining run time for that station. As each station completes its previously programmed run time the next station in sequence will begin watering.
5. Manual operation can be cancelled anytime by turning the dial to OFF for 3 seconds.
6. Return the dial to AUTO.

NOTE: Pressing BACK or NEXT buttons will manually advance to the next or previous station number. Previously programmed run times can be increased or decreased during manual operation. Any run time changes during manual operation WILL NOT change the station's stored program run time.



When only a single station operation is needed, the user can manually start a specific station.

1. Use the PROGRAM SELECT BUTTON to select the program (A, B or C) that contains the station you wish to manually operate.
2. Turn the dial to RUN SINGLE STATION. Display shows selected program and word "SINGLE." Press NEXT to enter single station operation.
3. Press UP or DOWN to select desired station.
4. Press MANUAL START to begin station operation.

NOTE: Pressing BACK or NEXT buttons will manually advance to the next or previous station number.

Previously programmed run times can be increased or decreased during manual operation. Any run time changes during manual operation WILL NOT change the station's stored program run time.

If station has a zero run time (OFF) use PROGRAM SELECT BUTTON to select a different program.

Stations with a zero run time (OFF) can not be manually activated. Only stations with a previously programmed run time can be manually started.



Locating a valve in an irrigation system may be needed for maintenance or repair. Without the correct tools locating the valves can be time consuming.

The Pro-LC controllers locate feature helps the user find buried valves by pulsing the valves solenoid.

1. Turn the dial to RUN SINGLE STATION/SYSTEM TEST. The display will show selected program and "SINGLE." Press the UP or DOWN buttons until display shows "LOCATE."
2. Press the MANUAL START button to begin the locate feature. The display will now show the available station.
3. Press the MANUAL START button to advance to the next available station.



TEST ALL STATIONS

The Pro-LC controller allows the user a quick and simple method for checking all available stations by running a test program. This feature operates each station individually in numerical order starting with the lowest available station.

Station operation is preset for a two minute run time which the user can alter at anytime during the test.

1. Turn the dial to SYSTEM TEST. Display will show selected program and "SINGLE." Press UP or DOWN buttons until display shows "TEST."
2. Press the MANUAL START button to begin the test feature. The display will now show "RUN" along with its remaining run time for the first available station.
3. To change default test time press UP or DOWN. While the test program is running the display shows the station number currently operating, along with its remaining run time. The controller will run each station in numerical sequence.
4. Press the NEXT button to manually advance to the next available station.

NOTE: Changing the test run time can be done at any time and for any station during the test. Any change to the test run time becomes the new default for all stations.



SPECIAL FEATURES

SEASONAL ADJUST

The seasonal adjust feature allows the user to increase or decrease station run times globally, for all stations, without re-programming each individual station. Run times can be reduced to as little as 10% or as high as 200%.

This feature is used to decrease or increase watering times during seasonal temperature changes. The seasonal adjust % is calculated on the programmed run time for each station. For example: if a station is programmed to run 10 minutes, and the seasonal adjust is adjusted downward 80%, the station will now run for 8 minutes. Conversely, if you set the adjustment upwards to 120%, the same station will now run for 12 minutes.

1. Turn the dial to SEASONAL ADJUST. Display will show "SEASONAL ADJUST % 100."
2. Press UP or DOWN buttons to set the percentage in 10 degree increments.
3. Return the dial to AUTO.



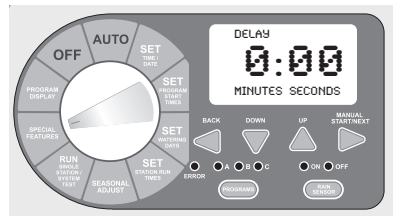
STATION DELAY/OVERLAP

The station delay / overlap feature allows the user to insert a global time delay or overlap between the end of any station's watering cycle and the beginning of the next station's watering cycle.

Station delay is used in systems that have slow closing valves or pump systems operating with a slow recovery time.

Station overlap is used to reduce hydraulic overload (water hammer).

1. Turn the dial to SPECIAL FEATURES. Display will show "DELAY 0:00."
2. Press the UP button to add a delay time. Delay times can be set from 1 second up to 9 hours.
3. Press DOWN button to add an overlap time. Overlap times can be set from 1 to 9 seconds.
4. Return the dial to AUTO.



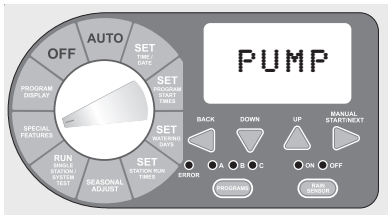
SPECIAL FEATURES

PUMP ON / OFF

The PUMP ON/OFF feature allows the user to enable or disable the MV/PS terminal for each individual station.

The ON/OFF feature is used in irrigation systems where it is desirable for a pump to operate or not operate for a specific station(s).

1. Turn the dial to SPECIAL FEATURES. Display will show "DELAY 0:00."
2. Press NEXT button until "PUMP" is displayed.
3. Press the BACK and NEXT buttons simultaneously to enter the PUMP ON/OFF feature. The display will show "PUMP ON" and all stations.
4. Press BACK or NEXT to select desired station.
5. Press UP or DOWN buttons to activate (ON) or deactivate (OFF) the station.
6. Return the dial to AUTO.

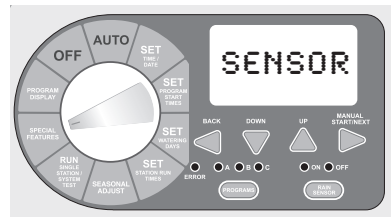


SENSOR

The SENSOR ON/OFF feature allows the user to enable or disable the SENSOR terminals for each individual station.

The on/off feature is used in irrigation systems where it is desirable for a Rain Sensor to operate or not operate for a specific station(s).

1. Turn the dial to SPECIAL FEATURES. Display will show "DELAY 0:00."
2. Press NEXT button until "SENSOR" is displayed.
3. Press the BACK and NEXT button simultaneously to enter the sensor on / off feature. The display will show "ACTIVE" and all stations.
4. Press the BACK or NEXT buttons to select desired station.
5. Press the UP or DOWN buttons to activate (ON) or bypass (OFF) the station.
6. Return the dial to AUTO.



SPECIAL FEATURES

CLEAR

The CLEAR feature allows the user to erase all current programming and restore the original factory default program (all available stations, everyday for ten minutes).

1. Turn the dial to SPECIAL FEATURES.
The display will show "DELAY 0:00."
2. Press the NEXT button until "CLEAR" is displayed.
3. To enter the CLEAR feature press the UP or DOWN button and the display should now show "CLEAR*."
4. Press the NEXT button to clear the current program. The display will briefly show "CLEARED" before automatically advancing to the next available feature.
5. Return the dial to AUTO.



SAVE

The SAVE feature allows the user to save all current programming. This allows the user to quickly and easily restore any saved program(s) should they be changed.

1. Turn the dial to SPECIAL FEATURES. Display will show "DELAY 0:00."
2. Press the NEXT button until "SAVE" is displayed.
3. To enter the SAVE feature press the UP or DOWN button and the display should now show "SAVE*."
4. Press NEXT button to save the current program(s). Display will briefly show "SAVED" before automatically advancing to the next available feature.
5. Return the dial to AUTO.



SPECIAL FEATURES

RESTORE

The “RESTORE” feature allows the user to restore any previously saved programs.

1. Turn the dial to SPECIAL FEATURES.
Display will show “DELAY 0:00.”
2. Press the NEXT button until “RESTORE” is displayed.
3. To enter the RESTORE feature press the UP or DOWN button and the display should now show “RESTORE.”
4. Press the NEXT button to restore any previously SAVED program(s). Display will briefly show “RESTORD” before automatically advancing to the next available feature.
5. Return the dial to AUTO.



DAY OFF

Permanent days off programmed through special features will not display on program features.

Some users or water conservation programs may desire that a specific day(s) of the week be prohibited from watering. The DAY OFF feature allows the user to select a day or days of the week where the system will not operate regardless of SET WATERING DAYS program.

1. Turn the dial to SPECIAL FEATURES. Display will show “DELAY 0:00.”
2. Press the NEXT button until “DAY OFF” is displayed and a flashing “MON” in the upper left corner of the LCD.
3. Press the UP or DOWN buttons to enable (turn on) the day off feature. The display will now show a solid (non-flashing) “MON.”
4. Press NEXT to advance to next day of the week.
5. Repeat steps 3 and 4 until all non-watering days have been selected.
6. Return the dial to AUTO.

NOTE: All days visible at the top of the display will become non-watering days regardless of programming.

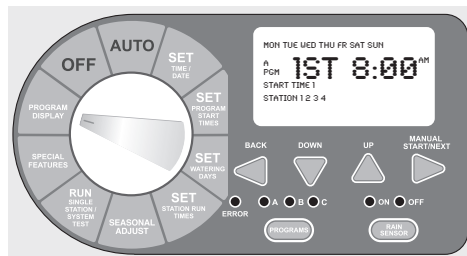


PROGRAM DISPLAY

The Pro-LC program display feature provides a complete visual overview of any program contents.

From this one screen the user can see all programmed Watering Days, the number of Watering Start Times and Stations with a run time per each individual program.

1. Turn the Dial to PROGRAM DISPLAY.
2. Use the Program Switch to select the program (A, B or C) you wish to review.
3. If more than one start time has been set (maximum of four), they will appear next to “START TIME” on the display.
4. Press the NEXT button to view any additional start times.
5. Return the dial to AUTO.



INSTALLATION

The Pro-LC controller can be installed either indoors or outdoors and must be done in compliance with local electrical codes.

For the best viewing and ease of programming we recommend installation at eye level.

The mounting location should have access to 115VAC or 220VAC electrical power and allow enough bottom clearance for the installation of conduit or a “junction” box if required.

DOOR REMOVAL

1. Open the enclosure door and swing it to the left until fully open.
2. Using both hands grasp both the top and bottom portions of the door at the hinge location.
3. Gently pull either the top or bottom portion of the door forward until the door releases.

MOUNTING THE CONTROLLER

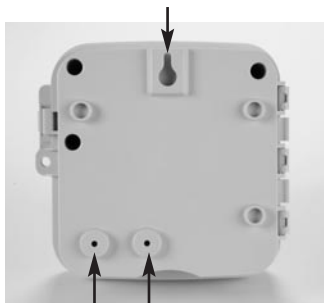
The Pro-LC has a single keyhole slot on the top / back of the controller. Two circular mounting holes are located at the bottom / back of the controller.

Use a pencil to mark the eye level position on the mounting wall. Or, use the template provided for easy installation.

Drive an appropriate fastening device for the type of wall material into the mark for the keyhole.

Hang the controller on the keyhole slot making sure the fastener is secured on the narrow neck area of the keyhole slot.

KEYHOLE SLOT

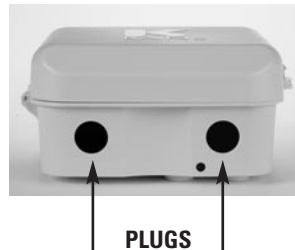


MOUNTING HOLES

Making sure the controller is level, drive an appropriate fastener(s) in the lower circular hole(s).

FIELD WIRE ENTRANCES

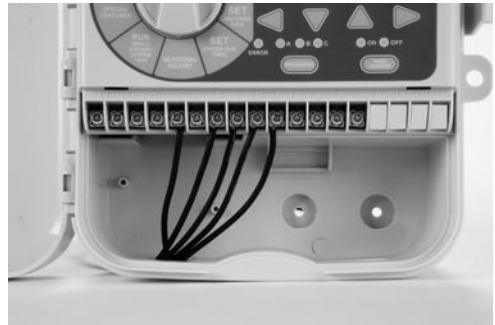
The Pro-LC controller has two plugs available for the routing valve, pump start and sensor wires. Both are located on the bottom of the cabinet and sized to 1/2" PVC male adapters.



PLUGS

CONNECTING VALVE WIRES

1. Connect each valve with its individual power wire to one of the numbered screw terminals. Station numbers are engraved in the mid-box with the following numbering: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12.
2. Connect the common field wire from all valves to the terminal screw located at the left side between the Sensor and "P" (Pump) terminal screws.
3. Only use code approved wiring for underground installation.



PUMP START RELAY

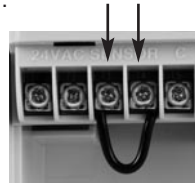
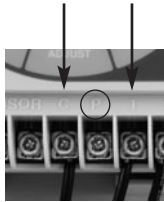
This section is only for systems that require a pump start relay. The controller does not provide main power for a pump.

Pump Start Relay wiring terminal is located between "C" and "1" screw terminals.

NOTE: JUMPERS FOR UNUSED STATIONS

To prevent pump or system damage when using a pump start relay, use a jumper to connect all unused stations to the last station with a run time.

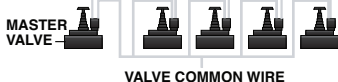
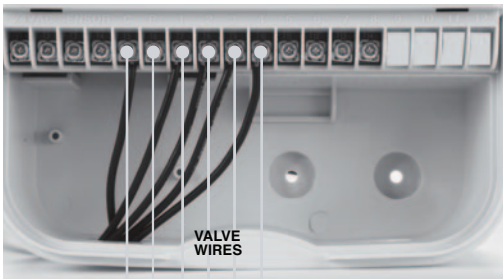
Unused station(s) without a jumper could cause pump or system damage should the unused station be turned on. Pump operation with no flow (dead-head), could cause over-pressurization of the system or the pump to overheat.



All electrical connections and wiring must be made according to local building codes.

1. Open the cabinet door.
2. Connect the two rain sensor wires to the two terminals marked SENSOR located at #3 and #4 screw terminals.

NOTE: *If a rain sensor has not been installed in the Pro-LC, the preinstalled jumper wire must remain installed on the SENSOR terminals.*



POWERING THE CONTROLLER

It is recommended that a licensed electrician perform the following power installation.

All electrical connections and wiring must be made according to local building codes. Make sure all electrical power is turned off before any wire connections are attempted.

For ease of installation the enclosure door can be removed. Please refer to the installation instructions on page 17 for door removal.

FOR OUTDOOR CONTROLLER ONLY:

The hole located on bottom left side of the cabinet should be used to bring AC power wires and conduit into the power junction box.



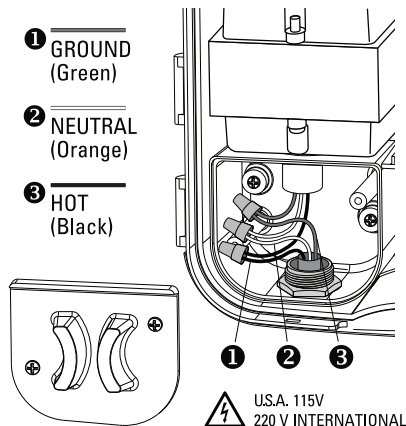
FOR INDOOR CONTROLLER ONLY:

Pro-LC is powered with either 115VAC or 220VAC which must be noted when ordering the unit. Installation is easy. Simply plug connector from the controller with the connector on the end of the plug pack.



The Pro-LC controller is powered with either 115VAC or 220VAC which must be noted when ordering the unit.

Connect the AC wires to the transformer wires located inside the power junction box with wire nuts or other locally approved connectors.



SPECIFICATIONS

OPERATING SPECIFICATIONS

- Station Run Times:
1 minute to 6 hours on programs A, B and C.
- Start Times: 4 per program (12 maximum per day).
- Watering Schedule:
7-day calendar (any day of the week), odd or even calendar day, interval watering up to 31 days.
- Operating Temperature:
0-140° F (18-70° C)

DIMENSIONS

- Height: 7"
- Width: 7.4"
- Depth: 3.7"

ELECTRICAL SPECIFICATIONS

- Transformer Input:
115VAC, 60Hz or 220 VAC, 50/60Hz
- Transformer Output:
Outdoor Unit: 24VAC, 1 amp
Indoor Unit: 24VAC, 1 amp
- Maximum Output:
Outdoor Unit: 24VAC, 0.75 amp
Indoor Unit: 24VAC, 0.75 amp
(includes Master Valve/Pump Start)
- For PERMANENTLY CONNECTED EQUIPMENT, a readily accessible disconnect device shall be incorporated external to the equipment.

DEFAULT SETTINGS

The Pro-LC controller has a battery backup used for time and calendar accuracy during power outages.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTION
PROGRAM DOES NOT COME ON AUTOMATICALLY	Dial set to the OFF position	Set dial to AUTO
	No Start Time	Turn the dial to PROGRAM DISPLAY check program for start time(s). If missing turn dial to SET PROGRAM START TIMES and enter a start time(s) if needed (page 5).
	Permanent Day Off Feature is Active	Change permanent day programming if needed (page 14).
	Today may not be a Scheduled Watering Day	Turn the dial to PROGRAM DISPLAY and check program Watering Day(s). If missing turn the dial to SET WATERING DAYS and enter watering day(s) if needed (page 6).
	Active or Faulty Rain Sensor	Check LCD Display for BYPASSED or SENSOR. Set Rain Sensor Switch to the Bypassed position.
DISPLAY SHOWS A STATION IN OPERATION BUT NO WATERING OCCURS	No Primary AC Power	Restore primary AC power.
	Rain Sensor is Active and preventing watering	If a recent rain event has occurred then no action is required. Place Rain Sensor Switch in the BY PASSED position to resume operation. If watering does not resume the Rain Sensor is not operating properly.
	Sensor Jumper is missing	Replace Jumper

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	CORRECTION
STATION(S) DOES NOT COME ON	No Station Run Time has been set	Turn the Dial to SET STATION RUN TIMES and check program station for run time.
	A SHORT or OPEN circuit has disabled station operation	Locate and repair SHORT/ OPEN circuit. Error Tone, LED and Display will flash showing affected station(s). To temporarily clear the alarm, turn Dial to OFF position briefly and return Dial to AUTO. Controller will auto reset after repair has been performed.
DISPLAY IS PARTIALLY OR COMPLETELY BLANK	Loss of primary AC power	Check for properly installed electrical installation. Check for tripped electrical Breakers or fuses.
	An electrical surge or strike has damaged the electronics	Perform a controller RESET. If no permanent damage occurred the controller will accept programming commands and function normally.
STATION(S) REPEAT OPERATION	More than one (1) start time has been programmed	Turn the dial to PROGRAM DISPLAY and check program(s) for additional start time(s). If unwanted start times are present turn dial to SET PROGRAM START TIMES and remove (page 5).
	The programs could be stacked	Programs stack when another program start time occurs while another program is still running. Check all programs (A, B and C) and start times (4 per each program).

SPARE WATERING PLANNER

WATERING SCHEDULE		PROGRAM A	PROGRAM B	PROGRAM C
	CUSTOM			
	ODD/EVEN			

WATERING START TIMES		
STATION	STATION LOCATION	STATION RUN TIMES
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

SPARE WATERING PLANNER

WATERING SCHEDULE		PROGRAM A	PROGRAM B	PROGRAM C
	CUSTOM			
	ODD/EVEN			

WATERING START TIMES

STATION	STATION LOCATION	STATION RUN TIMES
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

WARRANTY

The manufacturer guarantees to the original purchaser that any product supplied by the manufacturer will be free from defects in material and workmanship for a period of two years from the date of purchase. Any product found to have defects in material or workmanship within the warranty period shall be repaired or replaced by the manufacturer.

The manufacturer does not guarantee the use for a particular purpose of its products and does not make any guarantee, expressed or implied, other than the warranty contained herein. The manufacturer shall not be liable for any loss from use of the product or incidental or consequential damages to other parts of any installation of which this product is part.

The warranty shall not apply to any equipment which is found to have been improperly installed, set up or used in any way not in accordance with the instructions supplied with this equipment, or to have been modified, repaired or altered in any way without the expressed consent of the manufacturer. This warranty shall not apply to any batteries or accessories used in the equipment covered under this warranty or to any damage which may be caused by such batteries.

If the controller develops a fault, the product or main panel must be returned in adequate packing with:

1. a copy of your original invoice;
2. a description of any fault; and
3. contact name and information.

It is the purchasers responsibility to return the controller to the manufacture or their agent by prepaid freight.

KRAIN Manufacturing Corporation
Irrigation Sprinkler Controller

Hereby, K-Rain Manufacturing Corporation declares that this irrigation controller Pro LC is in compliance with the essential requirements and other provisions of Directive 1999/5/EC.



Certificate of Conformity
to European Directives



K-Rain Manufacturing Corp.

ATTN: WARRANTY

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