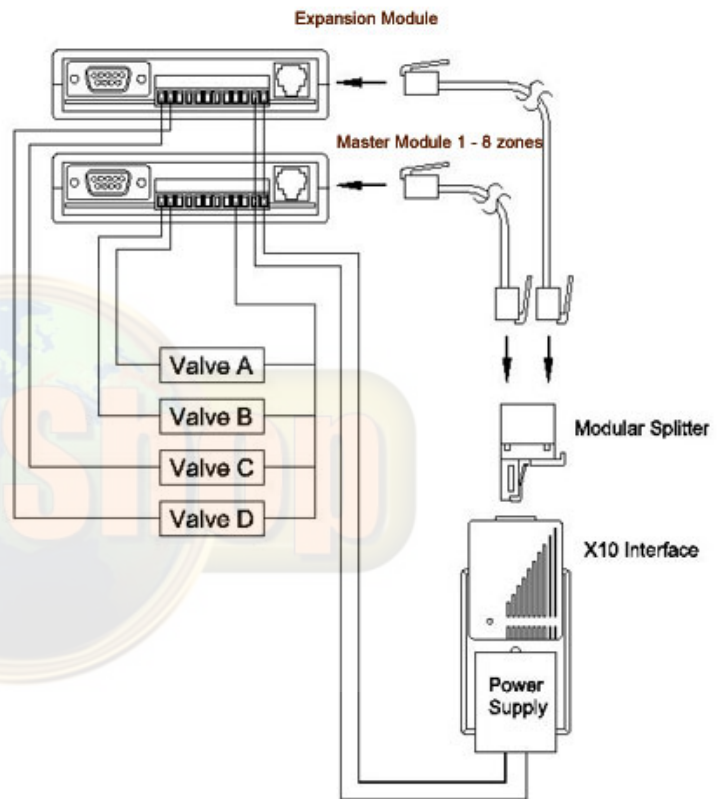


Rain8 - X10 Sprinkler Controller

The Rain8 is a full featured, 8 zone irrigation controller that may be linked together to provide a maximum of 256 zones of operation. A must for automating lawn sprinkler systems.



The X10 Rain8 requires the use of a home automation program (or any X10 control device) to generate X10 power line carrier signals to start and stop each zone. The actual timing controls, are located in the controlling device. This provides an easy means of adjusting run times for seasonal irrigation changes. As a safeguard, the user can set the maximum "valve on" time for each zone anywhere from 1 second to 250 minutes. This guarantees that the sprinkler valve will turn off even in the absence of an X10 OFF command. As each sprinkler valve has its own default setting, this guarantees a minimum of wasted water in the advent of a lost X10 signal.



16 zone wiring example

Requirements and Specs



With the 2-way capability, you can determine which irrigation zones are on and which are off. Designed for use with X10-compatible computer interfaces and other devices that can generate the X10 Status Request command. In addition to giving you the power to poll irrigation zones to determine their on/off status, it also allows your computer send a command to the module then check to see if the command was carried out. If not, the computer can automatically send the command again.

Other features:

- There are no limitations on the number of zones that may be active at one time.
- Default run timers for each zone (1 sec to 250 minutes) can be disabled if desired.
- Responds the X10 "All Units Off" command.

Rain8

A unique water conservation feature is the default or maximum run time values. In event of a lost X10 OFF command, the run time is determined by this default setting. Each zone has its own default value.

The default values may be any value between 0 and 250 minutes. In most cases this value would be slightly larger than the greatest run time that would ever be considered for this particular zone. The example shown, zone 1 is set to 3 minutes because it is used in a green house, controlling a misting head that never runs longer than 2 minutes. Entering a 0 disables that particular zone.

This lets you assign an individual X10 code to each sprinkler valve. You have the option of using any of the usual X10 house codes and either 1 - 8 or 9 - 16 unit codes. In the example shown here, sending X10 code E-1 ON will turn the zone 1 sprinkler valve on. Send it an E-1 OFF and the sprinkler valve turns off.

Once you have configured your Rain8 with the desired X10 addresses and default run times you can turn your attention to everyday operation.

The most effective means of generating the necessary X10 ON & OFF commands is a PC with home automation software running on it. All aspects of irrigation may be controlled over the Internet if desired or locally if preferred.

Rain8 an X10 driven, 8 zone, dual

Manual

E

read module

1 - 8

load module

9 - 16

Manual/Default run time

E1 - zone 1	3
E2 - zone 2	20
E3 - zone 3	20
E4 - zone 4	20
E5 - zone 5	20
E6 - zone 6	20
E7 - zone 7	20
E8 - zone 8	24

