



Splitter PRO

1 Station | 1 Cable | Up to 4 valves



VH7324

Battery operated

Operate up to 4 valves from a single pair of control cables on a single controller station. The Splitter PRO is designed to split an existing single station on the controller and a single active cable into up to 4 identically timed, sequentially operated valves. You simply program the controller station for the total amount of run time required by all valves connected to the Splitter PRO.

FEATURES

- The Splitter PRO is located at the existing valve and utilises existing field wiring
- LED's indicate status
- Automatically senses if a coil is connected
- Simply program the controller station for the total amount of run time required for all attached valves and the splitter will do the rest.



How does it work?

The Splitter PRO works by dividing the previous total programmed run time by the amount of connected valves. It then applies the run time to each valve.

In the initial set up the Splitter PRO will “rotate the run time” between all connected solenoid valves. So it starts by putting 1 minute on each connected valve. If power continues to be supplied the Splitter PRO will then double the previous run time (ie 2 minutes) & apply to all valves. If time still is running the Splitter PRO will then apply 4 minutes to each valve. This process continues until all programmed time is used. The next time the Splitter PRO runs it will divide the last run total time by the amount of solenoid valves. To have a longer run time on one valve connected to the Splitter PRO simply connect 2 outlets of the Splitter PRO to one valve. This valve will then run twice as long as the other valves.

Watering time?

TO INCREASE THE WATERING TIME:

If the programmed watering time is increased the valves will run for the time as set previously. The cycle will start again from valve 1. Each valve will run at the previously set time until extra time has been run. At the next start time the new watering time will be split equally between all the valves.

TO REDUCE THE WATERING TIME:

If the programmed watering time is reduced the valves will run for the time as set previously until the new time has been completed. At the next start time the new watering time will be split equally between all the valves.

INSTALLATION INSTRUCTIONS

Cables from irrigation controller:

Orange - ACTIVE White - COMMON

Cables to Valves:

Zone 1 - BLUE | Zone 2 - BROWN

Zone 3 - RED | Zone 4 - BLACK

(Bury Splitter in valve box).

Fault Indication

Modes: (Note: 3 LED's on Splitter Pro)

- | | | |
|--------------------------------------------------|---|--------------------------------------------------------------------------------|
| 1. BIU - Flashing
No other lights | } | All OK, power on the
Splitter valves working |
| 2. BIU - Flashing
TX - Solid ON | | Over current vault, faulty
valve skipped. Will clear if
fault goes away. |
| BIU - Solid ON
TX - Solid ON
RX - Solid ON | } | Open Circuit common or
no valves connected. |

TECHNICAL SPECIFICATIONS

Power Requirements

- Input - 24VAC, 50 or 60Hz

Switching Capacity

- 0.5 Amps, 10VA

Life Expectancy

- 50,000 operations

Packaging

- Epoxy encapsulated
- Suitable for direct burial

Note: If the station with the Splitter PRO is run manually it should be set for the same time as the total automatic run time. Do not interrupt a watering cycle as this will change the next automatic schedule.

