

3 | Which Vent Control?

Do you want your vents to open in one movement or incrementally?

In choosing a vent control, you need to consider the overall greenhouse system. Your choice of vent control depends on how you want your vents to open, in increments (25%, 50%, 100%), proportionally (you define how many movements), or fully open. This in turn depends on what type of environmental control you use. Wadsworth offers an extensive line of vent controls so we're sure to have the right vent control for you. Even if you don't have an environmental control we now offer the Versatile Vent as a complete package that includes an aspirated temperature sensor.

Computerized environmental controls modulate vents based on time. These environmental controls are best paired with our LST vent control. Traditional staged controls like our STEP 50A pre-date computers, and therefore need a vent control that can manage the vent's position. Our Versatile Vent Control translates stages into timed vent movements and positions the vent in three increments based on time.

3 | LST Lead Control | 2R Follower Control | Versatile Vent



LST Lead Control

This Vent Control moves the vent from full open to full close. It relies on the environmental control to send a signal to increment.

Features:

- Manual override toggle switches allow for manual operation
- Includes a transformer and relays

The LST is a lead vent control; it can signal up to six 2R-Follower Controls, the 2R will follow the lead control.

- Used with a staged control, STEP 50A, STEP 500, or MiniSTEP, the LST opens the vent in one movement. There are no increments
- Used with a computerized control like the EnviroSTEP or the STEP Up, it will open in multiple proportions. The computer sends the signal to the LST control



2R Follower Control

This vent control is a follower control. It should be used in conjunction with a lead control.

Features:

- Manual override toggle switches allow for manual operation
- Two relays, hence the name 2R
- Does not include a transformer; it receives power from the lead controller

2R enables additional vents to reproduce the movements sent via the Lead Control. It draws power from a lead control— it is not a stand-alone unit.

- You can connect up to six 2R followers to a Versatile Vent or LST Lead Control
- 2R controls always follow the movement of the Lead Control



Must be connected to an environmental control.
See page 21 for more information or contact us
1.800.821.5829 or, info@WadsworthControls.com.

Versatile Vent™

The Versatile Vent is Wadsworth’s most flexible and capable control. It can be used with any type of environmental control or you can order it with a temperature sensor if you don’t have an environmental control.

Features:

- Manual override toggle switches allow for manual operation
- Includes a transformer and relays

The Versatile Vent is a lead vent control; it can signal up to six 2R-Series Follower Controls. The 2R will follow the lead control.

- Used with a staged control like STEP 50A, the Versatile Vent uses three of the cooling stages to open the vent in increments: 25%, 50% and 100%
- Used with an integrated control like the EnviroSTEP, it will open in multiple proportions; the computer overrides the Versatile Vent’s incremental command

Versatile Vent Complete Package

If you don’t have a temperature control, the Versatile Vent is available with an aspirated temperature sensor (shown). It will open your vent or roll-up in three increments: 25%, 50% and 100%.

Features:

- Manual override toggle switches allow for manual operation
- Includes a transformer and relays
- When ordered with a temperature sensor, the unit displays temperature, vents position, and has an alarm output

The Versatile Vent Complete Package is a lead vent control; it can signal up to six 2R-Series Follower Controls. The 2R will follow the lead control.

Includes:

- Aspirated temperature sensor
- 100' of cable

