

## CONTROLLER OPTIONS



Bartlett Controller  
V6-CF "BX"  
(Standard)

The Bartlett V6-CF Controller "BX" offers precise control and many features not available with other controllers. It comes with preset firing profiles, allowing you to fire by simply entering a cone number, as well as the option of user-defined programs. It will hold up to 6 user-defined programs with up to 8 segments in each program. Or as an option you can combine 2 programs to make one complicated program with up to 16 segments in it. The Bartlett controller has one thermocouple for each circuit in the kiln so it is excellent at ensuring even temperature from top to bottom.



Bartlett Controller  
Genesis 2.0 "GX"  
(Upgrade)

The Bartlett Genesis 2.0 Controller "GX" has all the features of the V6-CF Controller but uses touch screen technology, graphical displays, has built in diagnostics, and can calculate your cost per firing. Being wifi enabled means available software updates, and communication with your smart phone for the ultimate in convenience and control. Follow the entire firing from the comfort of your home. **This is the gold standard in kiln controllers.**

# OPTIONS, UPGRADES & ADD-ONS

## AVAILABLE UPGRADES

**Type "S" Thermocouples** are rated for approximately 3000F and therefore are literally capable of lasting forever in a pottery or glass kiln application. Type S thermocouples are made from Platinum and Rhodium, and therefore prices fluctuate as the price of platinum fluctuates. Type S thermocouples are accurate to +/- 0.25% (versus +/- 0.75% for standard Type K thermocouples). If your kiln uses green coloured thermocouple lead wire, then you have Type S. It should be noted that Type S thermocouples are fragile, even though they are encased in a protection sleeve. If your concern is thermocouple life (versus accuracy), then an alternative is to consider buying thermocouple protection tubes for your standard Type K thermocouples. One knock with a kiln shelf could damage your Type S thermocouple and require you to replace it.

**Protection Tubes**...if you are concerned about thermocouple life, then a more economical alternative to Type S thermocouples is to consider buying thermocouple protection tubes for your standard Type K thermocouples. The 6.5" ceramic protection tube is an excellent option for increasing thermocouple life, as well as eliminating delamination of thermocouples (spitting of metal debris onto your kiln shelf). They are easy to install, last forever, and also protect your thermocouples from getting dinged with a kiln shelf.

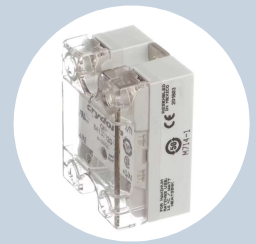
**Solid State Relays (SSR's)**, are an excellent choice for those that regularly do cone 10 crystalline firings, or those that have extremely slow firings with multiple hold times to accommodate large, thick sculpture work. Standard mechanical relays have physical components that move, and are rated to last for a certain number of cycles. Solid State Relays, on the other hand, have no moving parts, and if installed properly on heat sinks with thermal pads to keep them cool....can literally last forever.



Type "S"  
Thermocouples  
(Upgrade)



Protection Tubes  
(Upgrade)



Solid State Relays  
(Upgrade)

## AVAILABLE **ADD-ONS**

Our **Furniture Kits** are specific to each model and contain full shelves, half shelves, a variety of posts and kiln wash. These kits were thoughtfully put together to provide you with everything you need in all the right size combinations to start firing right away. You can find a chart listing contents of each furniture kit by model number on each kiln model's page of our website.



**Furniture Kits**



**Orton VentMaster & Accessories**



**Safety Lid Switch**

The **Orton VentMaster** vents the fumes directly from the kiln before they exit the kiln into the room. This is a very effective venting system which we highly recommend with every kiln. All VentMasters include the main blower and motor, one three foot long, high temperature hose, one fume collector cup, hose clamps, instructions and test firing cones. The collector cup attaches to the side of the kiln. The motor can be left on the floor or attached to the wall.

You can upgrade from the standard VentMaster to the **Controller Integrated Orton VentMaster**. It's the same great vent as above, but hardwired to your kiln (it does not require a separate power source). The advantage of this set up is that the kiln controller can also control your vent. If you are using the delayed start feature on your controller, the vent will turn on when the firing actually begins (and not be running during the delay phase). In Cone Fire mode, the vent will remain on until the kiln has cooled to 150 degrees F. In User mode, you can dictate which segments of your firing you would like the vent to be on or off. The Integrated VentMaster cannot be added to a kiln after it has left our factory.

The **Orton VentMaster Hose Kit** extends the distance between the blower motor and the collector cup. This kit is excellent for mounting the vent higher on a wall or further away from the kiln. Kit includes; 1 three foot high-temperature hose, a hose coupler, and two hose clamps.

The **Orton VentMaster Expansion Kit** allows for another kiln to be vented to the same VentMaster Blower, at a fraction of the cost of a new vent. The kit includes one additional collector cup, one three foot long, high-temperature hose, and two hose clamps. The standard VentMaster operates on 120 volts, and comes with a 6' long line plug with inline switch for manually turning it on and off.

More information on venting, including our venting guide, is available on each kiln model's page on our website.

A **Safety Lid Switch** is a good choice when kilns are installed in public buildings like schools and community centres, or anywhere that curious children might open the kiln lid. This device will automatically turn off power to the kilns' heating elements when the lid is opened beyond the height of the lid prop. This feature makes it impossible to reach into a "live" kiln, but does not interrupt your firing schedule, or turn off the controller.