



## ***Comfort Radiant Heating, LLC***

*www.comfortradiant.com*

### **M329 Zone Selector Controller**

#### Operation Instructions

**On/Off Switch:** The main power on/off switch for the 12-Channel Selector Box is labeled S13 and is located in the lower left hand corner of the control board. When switched on a red LED (#D13) light above it will illuminate.

**Power On:** D13 LED indicates that the power is on to the 12-Channel Selector Box.

**Your system was set up with an Aerial Mounted Temperature/Moisture Sensor with a time delay built in. When there is no longer a call for heat, the sensor itself will keep the system running for a preset time delay in order to allow extra time for leftover moisture on the ground to evaporate. However, if you find that the built in delay in the sensor is shutting off too soon, you can add time on inside your Zone Selector Control box. See Time Delay Dip Switch below:**

**Time Delay Dip Switch:** The 12-Zone Selector Box has a feature that allows you to run the system for a preset time delay or to add time on to the preset time delay already built into your external sensor. The purpose of a time delay is to allow any leftover moisture time to evaporate before refreezing.

The blue dip switch block is numbered S14 and will keep the Zone Selector Control Box on for 5 seconds (generally used for testing purposes), 1, 2, 4 hours or no delay. Set the Time Delay Switch S14 for the desired delay time as follows:

- Position 1 On, all others Off = 5 seconds
- Position 2 On, all others Off = 1 hour delay
- Position 3 On, all others Off = 2 hour delay
- Position 4 On, all others Off = 4 hour delay

**Note:** Any time more than one switch is in the on position, the shorter delay will prevail.

When the D14 LED located in the lower right hand corner of the board is blinking, the exterior sensor has turned off and the 'time on' delay is being controlled by the M329 Zone Selector Control box.

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**Zone Toggle Switches:** The Zone Switches marked S1 through S12 on the left side of the board allow each Control Box to be in manual, automatic, or off mode. Zone Switches that do not have a Control Box connected to them must always be set in the “off” position. The Zone Switches that do have a Control Box connected to them may be set in the off (center), manual (right) or auto (left) positions. Switching one of the Zone Switches that has a Control Box connected to it to the manual position will turn that Control Box only, and it will stay on until the zone switch is moved to the “auto” or “off” position.

**Zone Status Lights:** The LED’s marked D1 through D12 located next to each toggle switch indicates the status of the CBX Control Box connected to that switch. When the LED is on, the CBX Control Box is operating normally. When the LED is off, the CBX Control Box is not operating.

If one or more of the LED is blinking, note the sequence and consult the CBX Control Box installation manual troubleshooting section or call Comfort Radiant Heating Systems for technical support (888)448-0555

**Manual Turn on with a Timer:** Select the zones you want to operate in timed mode by pushing the toggle switch for those zones to the left or “Auto” mode. Turn the toggle switch for all other zones to the center or “Off” position.

The Manual ‘Turn On’ button marked S15 allows one or more zones to be manually operated for a specific period of time before automatically shutting off. The timed delay is set by the Time Delay Dip Switch S14. Push S15 for two seconds. The D14 LED will blink continuously indicating that the selected zones are running in Time Delay mode and will remain blinking for the selected time.

**Note:** After the timer has turned off, flip all Zone Toggle Switches that have CBX control boxes connected to them back to the left or “Auto” position.

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