

**Wirsbo SYSTEMpro 311 Hydronic Systems Control**

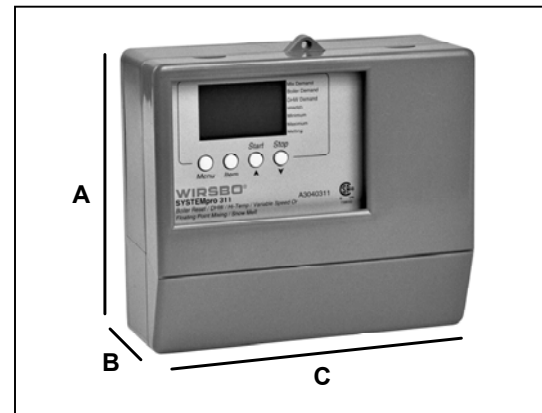
**Submittal Information**  
Component

**Project Information**

Job Name: _____	Part No. Ordered: _____
Location: _____	Quantity Ordered: _____
_____	P.O. Number: _____
Engineer: _____	Date Submitted: _____
Contractor: _____	Submitted By: _____
Mfg Rep: _____	Approved By: _____

**Technical Data**

Control..... Microprocessor PID control  
Enclosure..... PVC Plastic  
Ambient Conditions..... Indoor use only, 32 to 122°F  
Power Supply..... 120 VAC ± 10% 50/60 Hz  
Variable Speed Pump..... 240 VAC 2.4 A 1/6 hp  
Floating Output..... 24 VAC 0.4 A 9 VA  
Relays..... 24 VAC 5 A 1/3 hp  
Demand..... 20 to 260 VAC 2 VA  
Sensors..... NTC thermister, 10 kΩ @ 77°F



**Product Information and Application Use**

The Wirsbo SYSTEMpro 311 is a multi-temperature reset control that maximizes the comfort and efficiency of a hydronic heating system through single boiler reset. This weather responsive control uses outdoor reset to automatically adjust boiler loop and radiant loop water temperatures supplied to the heating system. It can also be used to supply radiant loop water temperature to a semi-automatic snow melt application. The Wirsbo SYSTEMpro 311 can support high temperature for baseboard and fan coils as well as tempering the supply water temperature for low temperature radiant. For a mixing device, either a variable speed injection pump or floating action mixing valve may be used. The SYSTEMpro 311 also has the ability to control an indirect Domestic Hot Water (DHW) storage tank. The SYSTEMpro 311 control comes with the outdoor sensor, the boiler supply sensor and a supply water sensor. The pump or mixing valve used for the tempering the radiant loop are purchased separately.

**Ordering Information**

**Dimensional Information**

√ Description	Part Number	A	B	C	D	E	Weight
[ ] Wirsbo SYSTEMpro 311	A3040311	6.625"	2.813"	7.563"	N/A	N/A	3.5 lbs

**Standards**

CSA C22.2 N° 142-M 1987  
CSA C22.2 N° 15-M90  
UL N° 508 - 16th edition  
CSA C US, meets ICES & FCC regulations for EMI/RFI

**Installation**

- Refer to the Wirsbo SYSTEMpro 311 Installation Manual for additional information.

**Options**

Wirsbo Snowmelt Enable Kit	A3040039
Wirsbo Remote Display Unit	A3040040
Wirsbo 3-way floating action mixing valve, 1"	A3131000
Wirsbo 3-way floating action mixing valve, 1 1/4"	A3131250
Wirsbo 3-way floating action mixing valve, 1 1/2"	A3131500

**Related Applications**

Wirsbo Radiant Floor Heating Systems  
Wirsbo Permafrost Heating Systems  
Wirsbo Snow & Ice Melting Systems

