System Controller Instructions

See the enclosed Snow/Ice Detector and Melt Control Instructions (L631667D) and User Instructions (L631667U).
The system controller has been setup at the factory. Minimal or no adjustments should be required for operation.

Item Field	Description	Range	Actual Setting
RUN TIME	**Run Time:** The time for which the zone is operated once it has reached its melting temperature. This item cannot be viewed if a Remote Start / Stop Module 31039 has been connected.	0:30 to 17:00 hr, INF (Infinity) Default = 4:00 hr	4:00 hr
ADD MELT	**Add Melt:** The additional time for which the zone is operated once the Snow / Ice Sensor 30090 becomes dry. Sensor 30090 present	0:00 to 6:00 hr, Default = 0:30 hr	0:30 hr
SENSTVTY	**Sensitivity:** Sensitivity of water detection of the Snow / Ice Sensor 30090. Sensor 30090 present	AUTO, 20 to 80% Default = AUTO	AUTO
MELTING	**Melting:** The desired slab surface temperature while in the Melting Mode.	32 to 95°F (0 to 35°C) Default = 36°F (2°C)	38°F (3°C)
IDLING	**Idling:** The desired slab surface temperature while in the Idling Mode.	OFF, 20 to 95°F (OFF, -7 to 35°C) Default = OFF	20°F (-7°C)
WWSD	**WWSD:** Warm Weather Shut Down.	AUTO, 32 to 95°F (AUTO, 0 to 35°C) Default = AUTO	AUTO
CWCO	**Cold Weather Cut Out:** The Cold Weather Cut Out temperature for the snow melting system.	-30 to 50°F (-34 to 10°C) Default = 10°F (-12°C)	0°F (-18°C)
MIX MAX	**Mix Max:** The maximum supply water temperature for the mixing system.	80 to 210°F, OFF (27 to 99°C, OFF) Default = 150°F (66°C)	150°F (66°C)
MIXING	**Mixing:** The type of mixing device that is to be used.	FLOT (Floating) VAR (Variable Speed), Default = VAR	FLOT
MOTR SPD	**Motor Speed:** The time the actuating motor requires to operate from fully closed to fully open. MIXING = **FLOT**	30 to 230 seconds Default = 150 seconds	110 sec
Boil SENS	**Boil Sensor:** The location of the boiler sensor. This affects operation of the Boiler contact.	SUP, RET, NONE Default = SUP	NONE
ΔT MAX	**ΔT Maximum:** The maximum ΔT for the snow melting system.	10 to 70°F, OFF (6 to 39°C, OFF) Default = OFF	OFF
DIFF	**Differential:** The differential for the snow melting system. **Boil SENS = SUP**	AUTO, 2 to 42°F (AUTO, 1 to 23°C) Default = AUTO	n/a
Boil MIN	**Boil Minimum:** The minimum temperature allowed for the boiler target temperature. **Boil SENS ≠ NONE**	OFF, 80 to 180°F (OFF, 27 to 82°C) Default = 140° (60°C)	n/a
FIRE DLY	**Fire Delay:** The time delay the control can expect between the time the Boiler contact closes and the boiler fires. **Boil SENS = SUP**	0:00 to 3:00 minutes Default = 0:10 min	n/a
Boil MASS	**Boil Mass:** The thermal mass characteristics of the boiler that is being used. **Boil SENS = SUP**	LITE, MED, HEVY Default = MED	n/a
EXERCISE	**Exercise:** The frequency with which the control exercises the pumps and valves that are operated by the control.	30 to 240 hours, (in 10 hour steps) Default = 70 hr	70 hr
UNITS	**Units:** The units of measure that all of the temperatures are to be displayed in by the control.	°F, °C Default = °F	°F

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