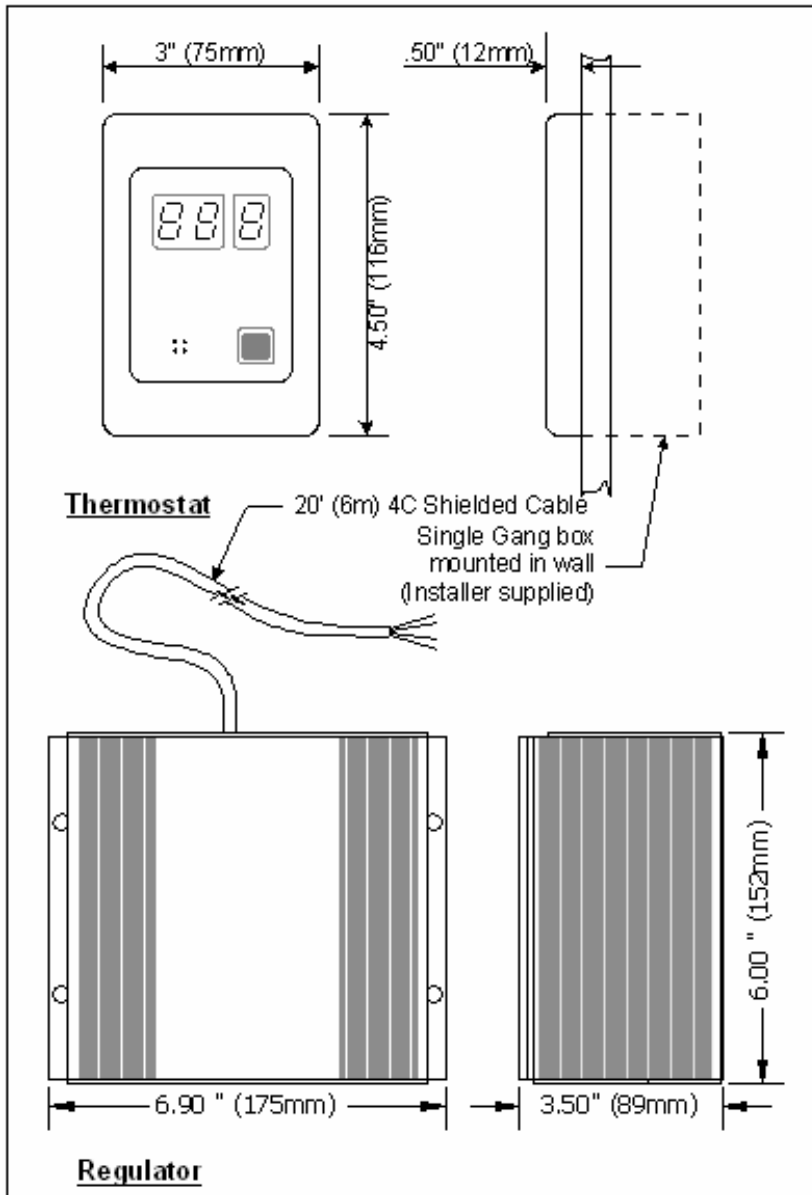


Description



The DIGI-LUX™ Electronic Thermostat & Regulator is a microprocessor device used for zone control of a STEP Warmfloor™ system that is providing total room or house heat. Use of a DIGI-LUX™ will create an even higher energy efficient system while providing better control over personal comfort.

The DIGI-LUX™ uses a special preprogrammed algorithm to closely match the heat input to the predicted heat loss based upon the measured air temperature. The Thermostat measures the air temperature and compares that to the user programmed set point. If the air temperature is below the set point, the thermostat sends a signal to the Regulator to pulse the power to the STEP Warmfloor™ system. The closer the air temperature gets to the set point, the less the system will be pulsed on and conversely the further it gets below the set point, the more the system will be pulsed on.

The DIGI-LUX™ Thermostat is designed to be flush wall mounted on a single gang box. Locate the Thermostat in a place that will be most representative of the zone it controls.

The DIGI-LUX™ Regulator is designed to be a surface mounted device. It is typically located adjacent to the low-voltage safety isolation transformer(s) that powers the STEP Warmfloor™ system. The Regulator is an air cooled device and care must be taken in

selecting the mounting location to ensure proper ventilation and operation. Each Regulator can control up to 2,500 watts of connected load. A twenty foot length of 4 conductor shielded cable is supplied pre-attached to each Regulator for connection to the Thermostat. Up to 3 additional Regulators can be connected to the first Regulator to allow for group control of up to 10,000 watts of connected load.

Ordering Information

Description	Model Number	App. Wt.
DIGI-LUX™ Thermostat & Regulator combination, 120Vac, 2,500W	DIGI-LUX-120V	2.8 Lbs.
DIGI-LUX™ Thermostat & Regulator combination, 240Vac, 2,500W	DIGI-LUX-240V	2.8 Lbs.
DIGI-LUX™ Add-on Regulator, 2,500W	DIGI-REG-2	2.6 Lbs.

Product Specifications

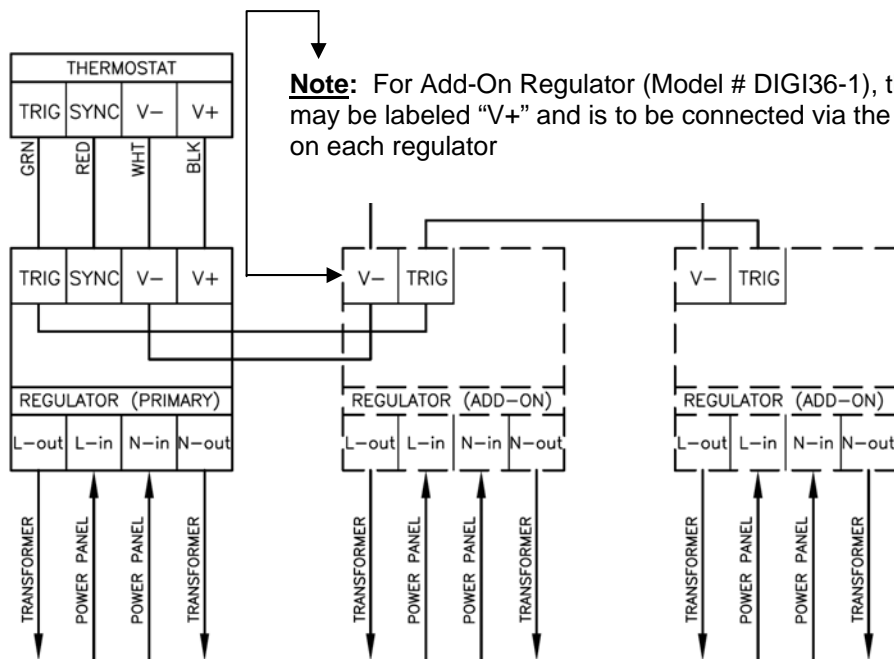
Thermostat

Set point range	36°F to 82°F (2°C to 28°C)
Temperature Display	2-digit LED indicates air temperature in Operating Mode and set point in Program Mode. Single digit LED indicates engineering units (°F or °C)
Faceplate Color	White

Regulator

Supply Voltage	120Vac for the DIGI-LUX-120V or 240Vac for the DIGI-LUX-240V
Load Rating	2,500 Watts
Max. Ambient Temperature	104°F (40°C), well ventilated space
Signal Cable	4 Conductor #24 AWG Shielded (Belden #9534 or equivalent)

Wiring



Approvals / Certifications...



Conforms to ANSI/UL STD 1693
 Certified to CAN/CSA-C22.2 No. 217



EN60335-1: 1995
 EN60355-2-30: 1997



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12/13/06