

CBX6/23 Series® Low Voltage Control Unit

DATA SHEET

Description:

Heatizon Systems CBX Series control units house the appropriate sized step-down transformer and other components necessary to power Heatizon low voltage heating elements.

Applications include snow melting, roof deicing, space heating, and floor warming.

The CBX6 and CBX23 models are used to operate both Tuff Cable and ZMesh systems. They include added status LED for safety circuits that monitor transformer over temperature, heating element over and under currents, shorting and arcing, plus self diagnostics. These units may also be equipped with 24VAC outputs to power an activation device that requires 24VAC.

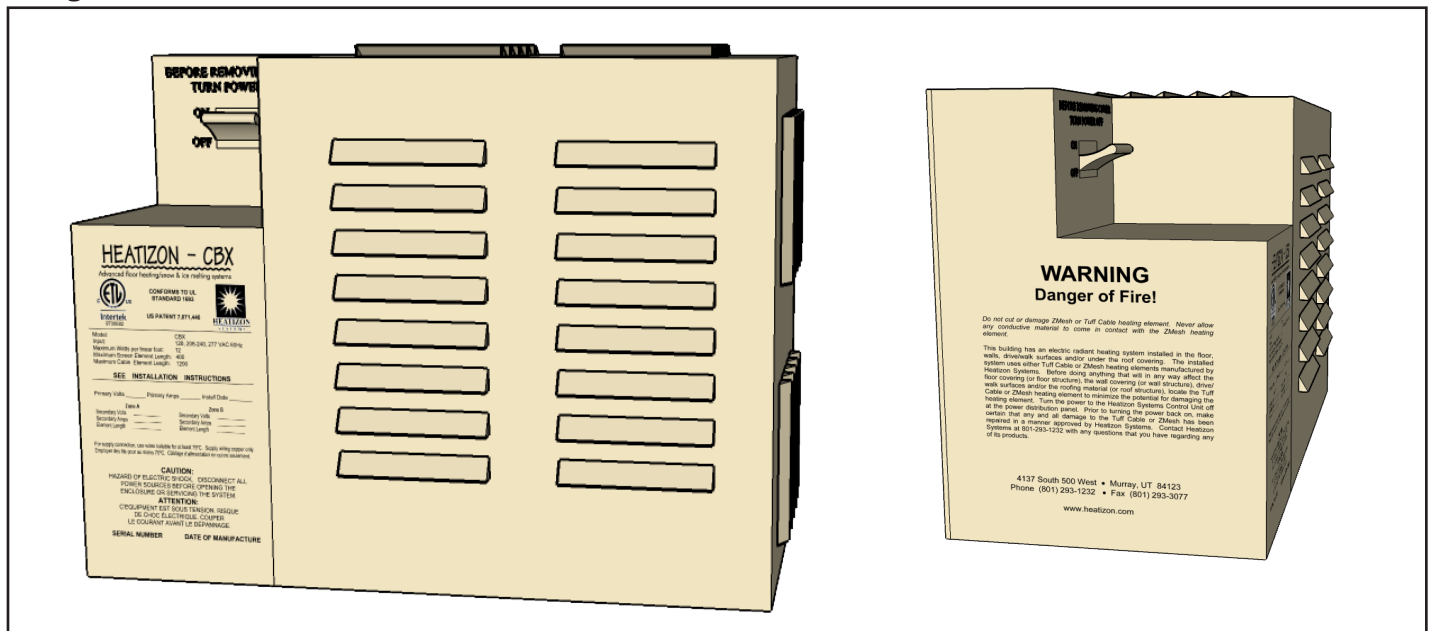
The CBX23 houses a dual side transformer. This allows energizing of two areas or loops of heating element.

The CBX6 houses a single side transformer. This allows energizing of one area or loop of heating element.

Models:

CBX6	Control unit for snow melting, roof deicing, floor and space heat, uses single transformer
CBX6T	CBX6 with 24 vac transformer
CBX23	Control unit for snow melting, roof deicing, floor and space heat, uses dual transformer
CBX23T	CBX23 with 24 vac transformer

Design:



Specifications:

Dimensions	17"w, 12"h, 9"d
Input Voltage	120V, 208V, 240V, 277

Features:

- Employs Soft Start circuits that turn the Transformer on without a high in-rush current or power surge.
- Includes safety circuits that monitor for shorting and arcing, transformer over temperature, over current and under current, and power problems.
- May be equipped with 24VAC service to power an activation device that requires 24VAC power (CBX6T).
- May be used to energize either Tuff Cable or ZMesh heating elements.
- Applications include radiant snow melting, radiant roof deicing, radiant floor warming or radiant in-floor space heating.
- A status LED that indicates when the system is energized and working, off, or in need of attention.

Uses:

- One CBX6 Control Unit can energize one area, or multiple areas that have been "jumpered" (connected in series) together on the same system.
- One CBX23 Control Unit can energize two areas, or multiple areas that have been "jumpered" (connected in series) together



Note: Refer to the NEC or CEC for specific requirements.



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