



## INSTALLING 75W TRANSFORMERS

### Electronic Transformers for Halogen Lamps Models of Series: CV, MS, LS or FX

#### USEFUL TIPS

1. Transformers are easy to connect. The black and white conductors are for the incoming electric supply and the red (or blue) wires are to transfer the power to the lamps.
2. For units not equipped with integrated short circuit protection, avoid touching the two red (or blue) wires together to avoid a short circuit; or connecting transformers in parallel to prevent serious damage to transformers.
3. Use 105°C certified wires to connect these units.



#### CABLING DIAGRAMS

MS90117 & MS90118

MS90217 & MS90218

LS94117

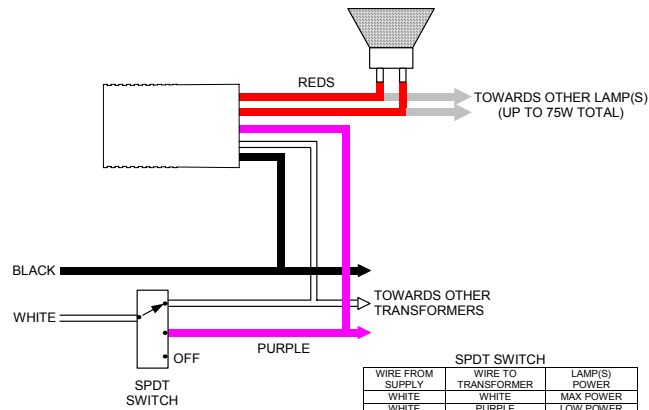
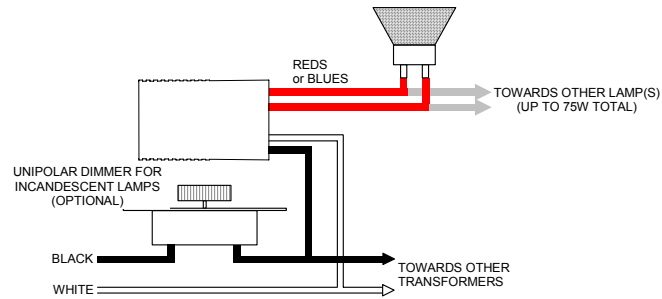
FX95100

FX 300 Series

CV90001

CV90112 (277V) is not dimmable.  
Do not use dimmer with CV90112

MS90119 & MS90219



## IMPORTANT

Transformers MODELS CV90001, CV90112, MS90118, MS90218, MS90119, MS90219 and FX95100 are not equipped with integrated short circuit protection, so the output wires **MUST NOT AT ANY TIME** come in contact with each other, as this would cause permanent damage to the transformers.

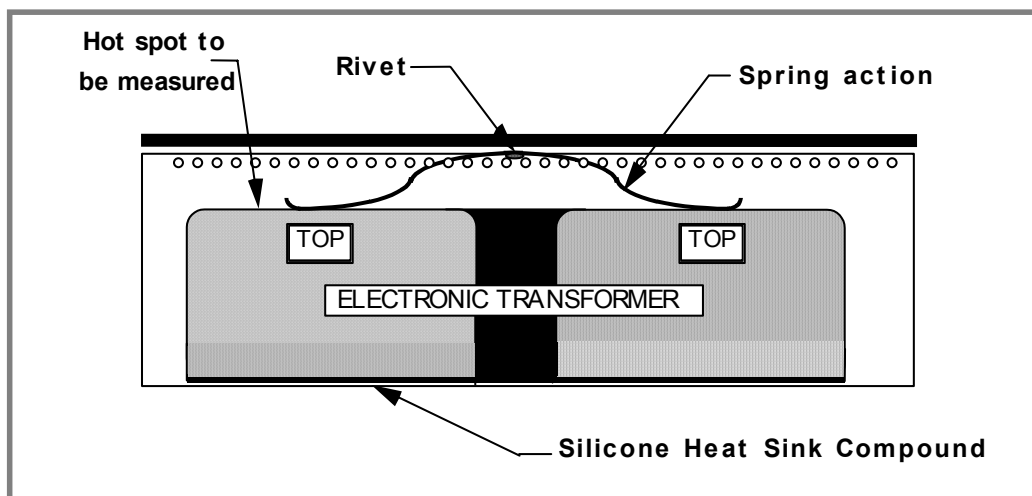
# INSTALLING YOUR 200W ELECTRONIC TRANSFORMER

**MODEL CV90021**

**(ALSO RECOMMENDED FOR MODEL CV90012, CV90111 – 150W)**

## ***REQUIRED MOUNTING***

- 1.** A pressure must be applied independently on both halves of the converter (electronic transformer) in order to maximize heat transfer.
- 2.** A silicone heat sink compound must be used between the flat side of the converter and a side of the fixture which is exposed to air, for the same purpose.
- 3.** The hot spot must be measured on the 120V line input (black and white wires) half of the converter, as shown on figure. Its temperature must not exceed 100°C.



## **IMPORTANT**

**MODELS CV90021, CV90012 and CV90111** are not equipped with integrated short circuit protection, so the output wires **MUST NOT AT ANY TIME** come in contact with each other, as this would cause permanent damage to the converter.

**B+L Technologies Inc.**

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# INSTALLATION METHOD

## CABLING DIAGRAM RECOMMENDATIONS

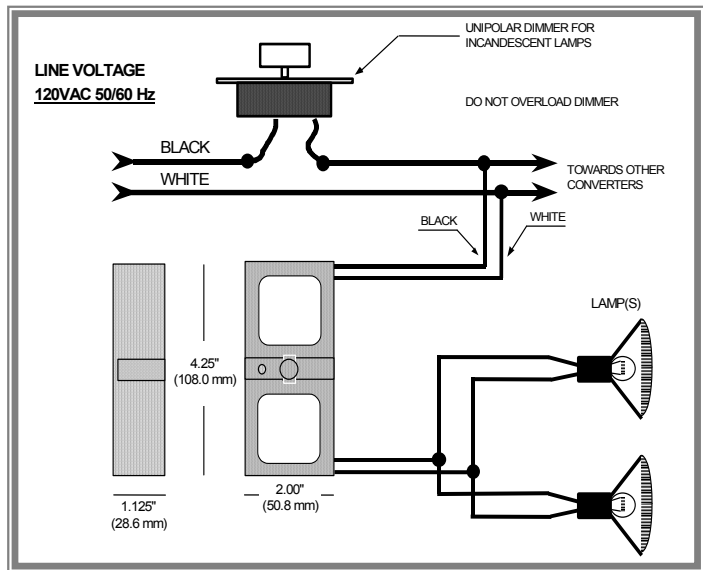
**NOTES :**

- For best results, all wires between the converter and the lamps must be connected in accordance with manufacturer's recommendations. The temperature of the casing must never exceed 90°C when in operation (see required mounting). A faulty connection will cause erratic functioning of the converter and may also damage the unit. It is recommended to keep the lamp wires as short as possible.
- This converter is designed to operate with any commercial or industrial dimmer for incandescent lamps.
- Generally, the dimmer should have a minimum load of 40W for proper functioning (if applicable).

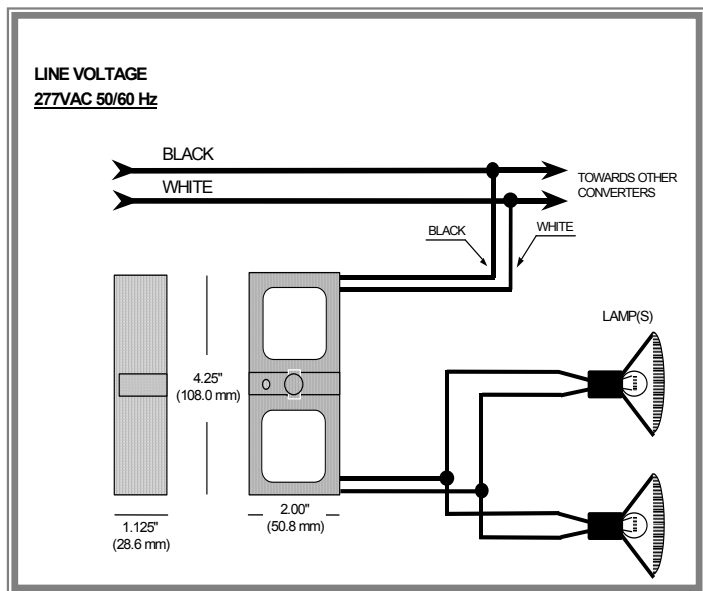
**IMPORTANT :**

- **MODELS CV90021, CV90012 AND CV90111** are not equipped with integrated short circuit protection, so the output wires **MUST NOT AT ANY TIME** come in contact with each other, as this would cause permanent damage to the converter.

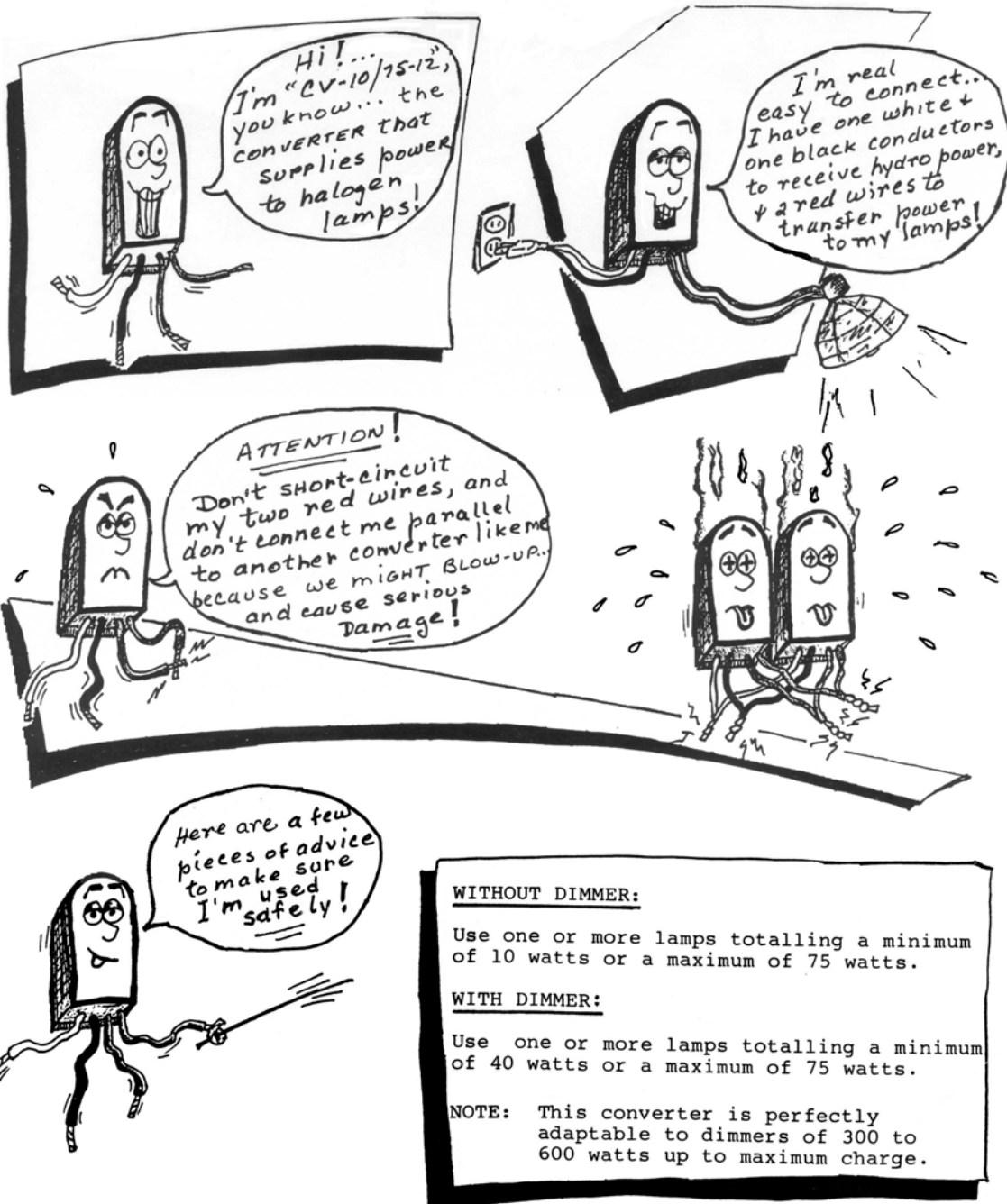
**MODEL CV90012, CV90021**



**MODEL CV90111**



## Residential Model CV-10/75-12: Presentation and Practical Advice



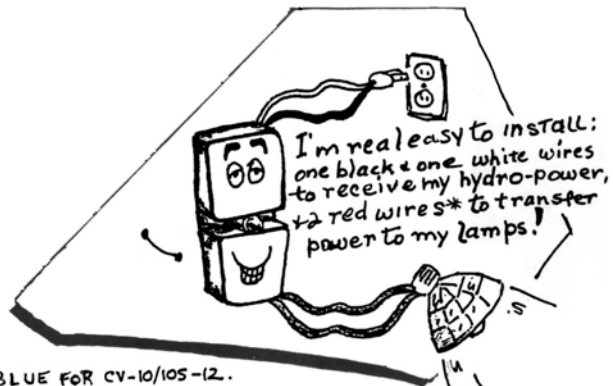
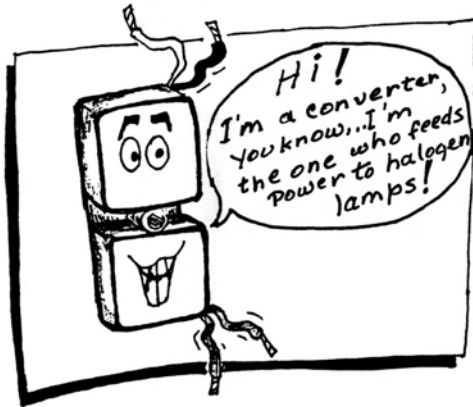
B+L Technologies Inc.

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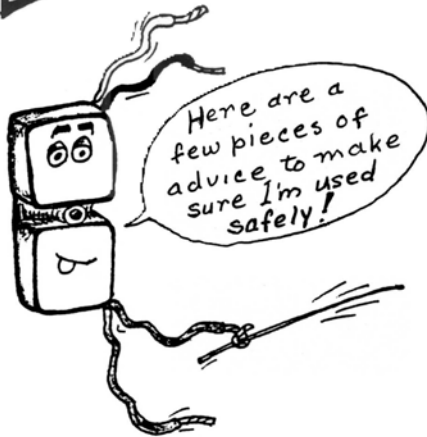
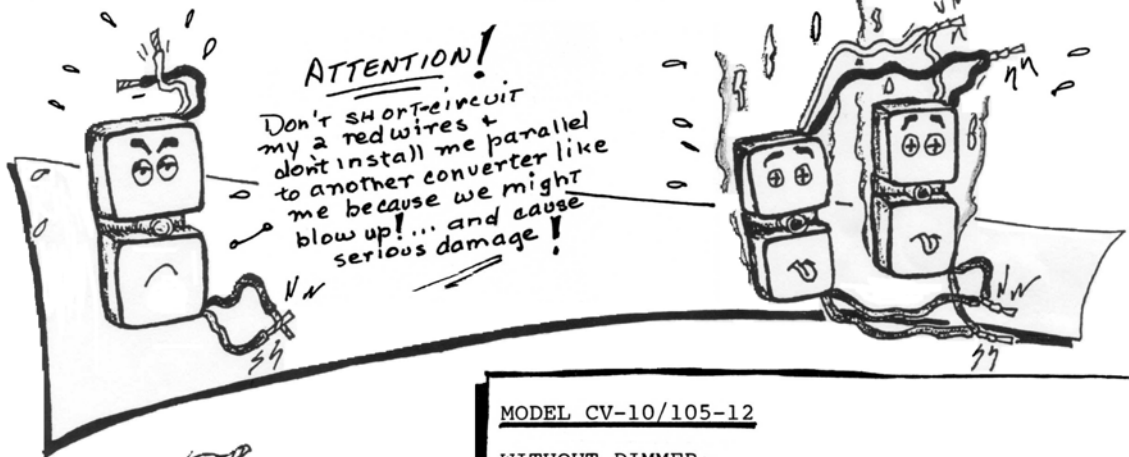
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Models CV-10/105-12 & CV-10/150-12: Presentation and Practical Advice



\* BLUE FOR CV-10/105-12.



MODEL CV-10/105-12

WITHOUT DIMMER:

Use one or more lamps totalling a minimum of 10 watts or a maximum of 105 watts.

WITH DIMMER:

Use one or more lamps totalling a minimum of 40 watts or a maximum of 105 watts.

MODEL CV-10/150-12

WITHOUT DIMMER:

Use one or more lamps totalling a minimum of 40 watts or a maximum of 150 watts.

WITH DIMMER:

Use one or more lamps totalling a minimum of 40 watts or a maximum of 150 watts.

NOTE: These two models are perfectly adaptable to dimmers of 300 to 600 watts up to maximum charge.

