

Watts @	Watts @	Impedance	Wire
100v	70v	4/8 Ohms	Color
n/a	200	26	Red
200	100	46	Blue
100	50	82	Yellow
50	25	146	Green
		Common	Black
		8 Ohms	White
		4 Ohms	Red

SPECIFICATIONS

Type: Line Autoformer for constant voltage audio distribution lines

Input: 70V/100V Line

Maximum Input: 100V RMS/140V peak

Outputs: 25, 50, 100, 200W

Output Load: Nominal: 4/8 Ohms

Frequency Response: 70 Hz - 16 kHz (+/- 1 dB) @ 70V
(recommended processing 70 Hz / 24 dB highpass filter)

Insertion Loss: 1 dB

Input & Output Connections: 5 in (127mm) 18-AWG color coded wires with stripped ends

Construction: Open frame

Mounting Provisions: (2) mounting tabs each with a 0.27 in x 0.15 in (7mm x 4mm) hole

Dimensions

Height: 2.5" / 684 mm

Width: 3" / 515 mm

Width: 3.5" / 347 mm

Depth: 2.5" / 463 mm

Weight: 2 lb. / 0.909 kg

APPLICATIONS:

- 100V, 70V Distributed Loudspeaker Systems.

FEATURES:

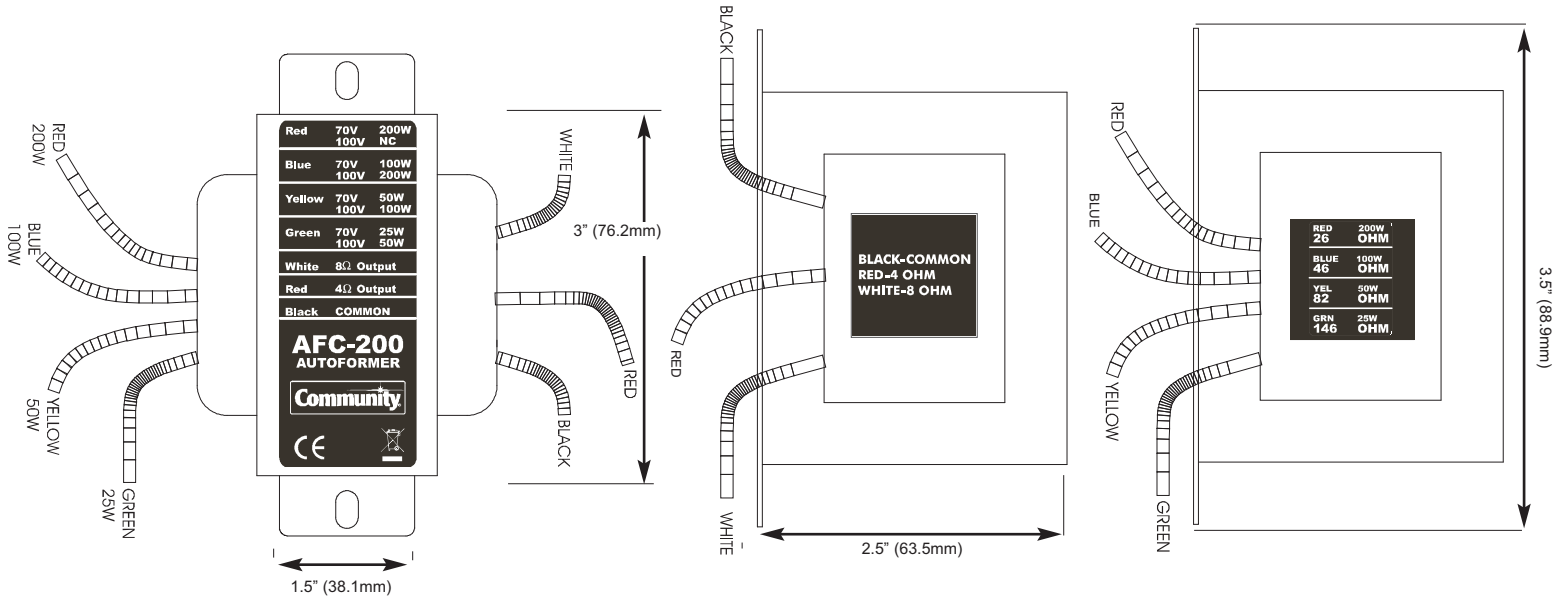
- Can be used for voltage Step-up or Step-down
- Low insertion loss
- Excellent low frequency performance at full power
- Four output taps

DESCRIPTION

The AFC200 is a 200 Watt 70/100 volt line autoformer to step down the voltage and impedance of "constant voltage" audio distribution lines to the voltage level and impedance required by loudspeakers. The AFC200 has four output taps. The taps allow individual loudspeakers to be adjusted to operate at the same or different power levels compared to other loudspeakers on the distribution line. The input tap can be used for 100V, 70V distribution systems. The output taps of the AFC200 are designed to drive nominal 4 or 8 ohm loudspeakers.

The AFC200 is manufactured from high quality materials. Its high permeability iron core provides high power handling at low frequencies. The AFC200 has two mounting tabs that allow it to be bolted into back-boxes or other enclosures, to loudspeaker enclosures, or to loudspeaker mounting hardware. The stripped wire input and output leads can be easily connected to loudspeaker terminals and the distribution cable in a variety of ways including terminal strips, soldering, and wire-nuts.

DIMENSIONS



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The autoformer shall be used for step down or step up use with high voltage, audio distribution lines.

For step down use, it shall have four input taps for 200 watts, 100 watts, 50 watts, and 25 watts used with a 70 volt RMS input and three output taps rated for 200 watts, 100 watts, and 50 watts, used with a 100 volt RMS input. The output shall be for use with a nominal 4 or 8 Ohm load impedance. The typical insertion loss for any combination of input to output shall be 1.1 dB. Frequency response shall be from 70 Hz to 16 kHz (-1 dB) at 200 watts. All taps shall have 5 in (127 mm) long, 18 gauge wires for connections. Construction shall be of the open frame type with four 1.5 in. (38 mm) x 0.5 in. (13 mm) mounting tabs.