

Control Unit for Models XFV and XAV

Voice Message: A message up to 16 seconds long that can play immediately following a button push. Standard message (unless ordered custom) is: "Cross street with caution, vehicles may not stop".

Audio Amplifier Power Output: 10W RMS into 8 Ω, each of 2 outputs.
Volume Control: On board trimming potentiometer for overall adjustment.

Volume Control Automatic Adjustment Range: 45dB (Model XAV only).
Microphone for Ambient Noise: Frequency Range: 100Hz to 9kHz (Model XAV only). On board sensitivity adjustment.

Ped Push Button Interface: Connects between pushbuttons and flash control system. Provides contact closure output.

Jumper Selectable Options: Two jumpers configure the message to be repeated one, two, three, or four times.

LTS IN: Connects to field lighting. Sound output inhibited until voltage appears on LTS IN.

Input Range: 10–130 volts AC/DC – Use jumper for < 50 volts.

LED OUT: Connects to LED IN on Push Button Station. Flashes sign LEDs in sync with signal on LTS IN. 15VDC, .25A Max.

Dimensions: L6" x W4" x H1 3/4"

Mounting: Mounts inside cabinet that houses crosswalk lighting control system or can be mounted in a separate external mounting box.

Power Requirements: 115VDC, 60Hz, 0.1A

DC Power Input Option:

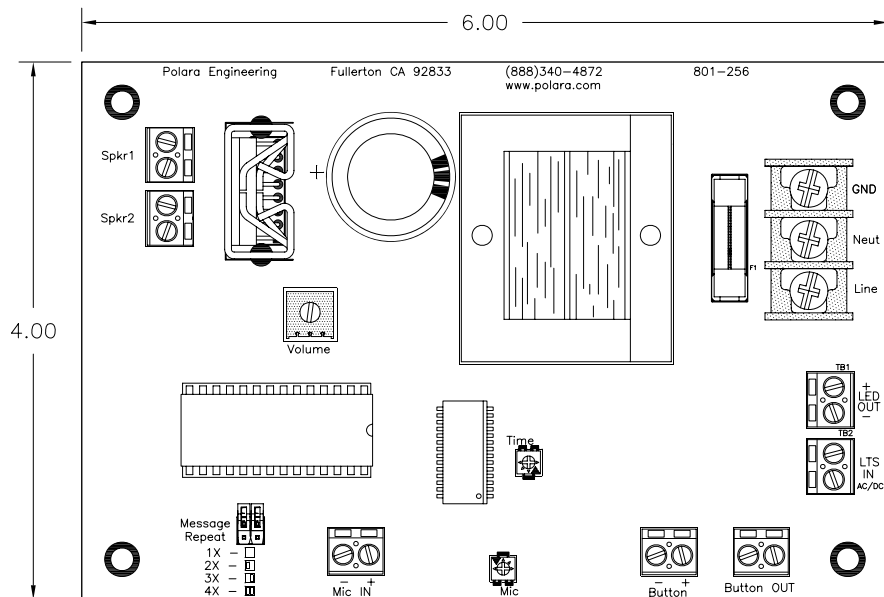
Add "-DC" to model number

Power Requirements:

15 VDC Recommended.

9mA current draw when idle.

300–400mA peak current when playing at higher volume levels not including LED output current. Will operate at lower voltages down to 10 volts with correspondingly greater susceptibility to distortion at higher volume levels.



Revised - 10/20/06									
REV. DATE	LTR	E.C.O. NO.	BY	CKR	ENG	DSN	MFG	QA	FNL

POLARA ENGINEERING INC.				
4115 W. ARTESIA AVE. FULLERTON, CA. 92833				
TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED)				SCALE -
DRAWN BY BB	CKR.	ENG. MGR.	MFG. MGR.	SHEET 1 OF 1
DATE 12-16-03	DSN. ENG.	Q.A. APP.	FINAL APP.	USE
TITLE MODEL X AUTO VOLUME CONTROL UNIT				DWG. NO. XAVCU

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