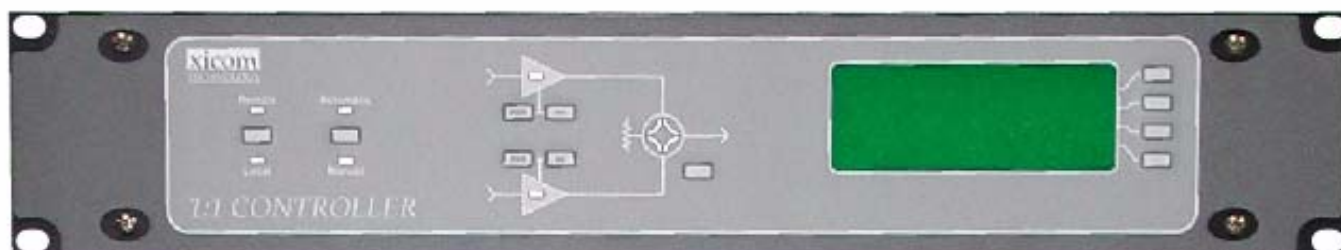




# XTC-111D4 1:1 Redundant HPA Controller



- **Compatible with all Xicom Antenna Mount Amplifiers**
- **Full HPA Amplifier Status**
- **Four Line Front Panel Display**
- **Rack Mounted — 2 Rack Units high**
- **Remotely Controllable Via Serial Interface**

The XTC-111D4 1:1 Redundant Controller is designed to allow the redundant operation of Xicom Technology's antenna mount amplifiers. By providing a single interface point, users can communicate with both amplifiers by connecting a single RS-232 or RS-422/RS-485 serial connection to the controller rear panel. The front panel status and control functionality is available through the serial connection.

The XTC-111D4 is compact and requires only 2 rack units (3.5 inches) of a standard 19 inch rack. The four line front panel display shows the status of the amplifier, including TWT Temperature, Helix Voltage, and Helix Current. If the forward power option is purchased with the TWTA, Power Out can also be viewed on the front panel four line display

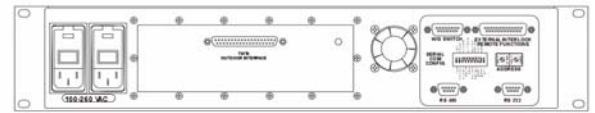
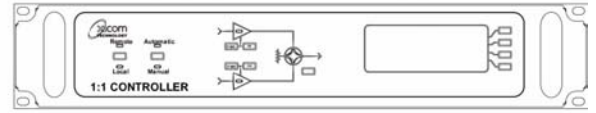
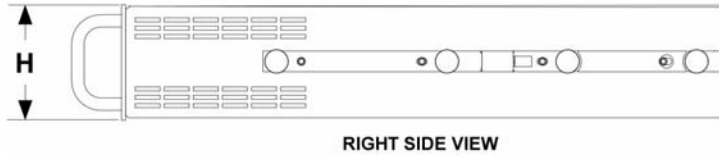
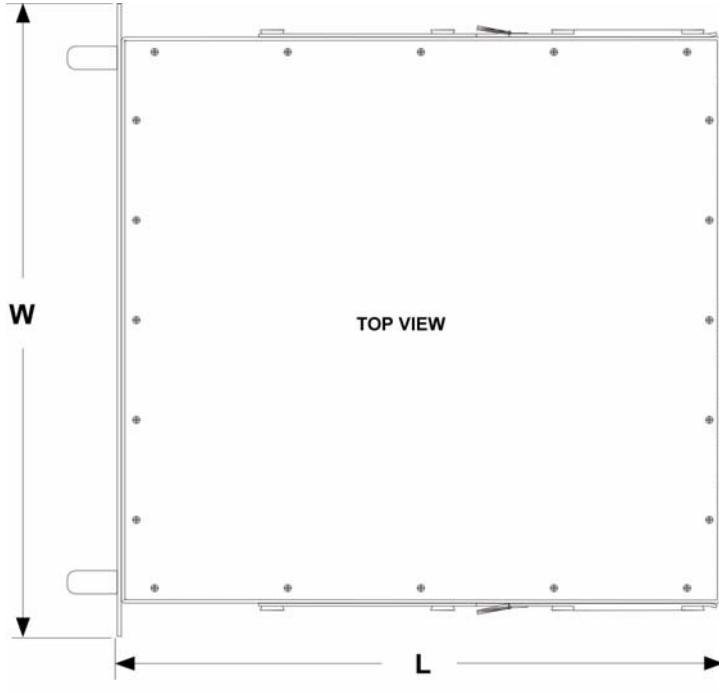
# MONITOR AND CONTROL FUNCTIONS

TYPE	FUNCTION	
CONTROLS	Local/Remote Manual/Automatic HPA Power ON/OFF	High Voltage ON/OFF
STATUS — 4-line Display	Not Detected Helix Voltage Summary Fault Helix Voltage fault TWT Temperature Fault Reflected Power †	TWT Temperature Helix Current High VSWR Fault Helix Current Fault RF Power †
STATUS — LEDs	Local/Remote Manual/Automatic HPA Power ON/OFF	High Voltage ON/OFF Standby
COMPUTER	Hardware Interface 2 Serial Ports: RS-232 and RS-422/485	

SERIAL PORT Xicom Command Set ASCII Commands

† Only available if options are purchased with amplifier

# OUTLINE DRAWING



DIMENSIONS		
	INCHES	CENTIMETERS
W	19.00	48.26
L	18.00	45.72
H	3.5	8.89