

- Full Amplifier Status & Control
- Remote/Local Control Via Serial or Parallel Interface
- Two Serial Interface Ports: RS-232 & RS-485 in Digital Controller
- Front Panel Digital Display
- Touch Pad Control of ODU Amplifiers
- Compact Design: 3 Rack Units

The XTC-112D & XTC-123D redundant controllers are designed to permit the redundant and phase-combined operation of Xicom Technology's line of digital ODU amplifiers.

The XTC-112D and XTC-123D controllers provide system control and offer local amplifier function controls normally only available with rack mount amplifiers. Individual ODU amplifier status and local control is selected by the membrane soft-keys on the controller. The 4-line display

shows the amplifier and system status. Waveguide switch position is indicated by LED's on the front panel schematic. Amplifiers may also be activated and switched from the front panel.

The XTC-112D and XTC-123D controllers eliminate the need for separate ODU amplifier remote controller and redundant or phase-combined system controllers by combining functionality in one 5.25 inch (3 RU) high package.

LOCAL AND REMOTE FUNCTIONS

Control Functions - A/B/C (as applicable)

Channel Select
High Voltage On
High Voltage Off (resets all faults)
Set Power (gain adjust) (optional)
Heater Standby (on / off)
Fault Reset
Manual / Automatic
Local / Remote (local control only)
Lamp Test (local only)

Set Alarm or Fault Detection On/Off
Low Power
High Power
Reflected Power
Set Alarm / Fault Limit Values
Minimum Power
Maximum Power
Reflected Power

Status Indicators - A/B/C (as applicable)

HPA Parameters
Helix Current
Helix Voltage
Temperature
Heater Hours
Beam Hours
RF Power
Reflected Power
High Voltage Selected
Beam On
Local / Remote-HPA

Summary Fault
High VSWR Fault
High Voltage Fault
Helix Current Fault
Temperature Fault
Low Power Alarm
High Power Alarm
Reflected Power Alarm
Standby
Filament Time Delay (FTD)

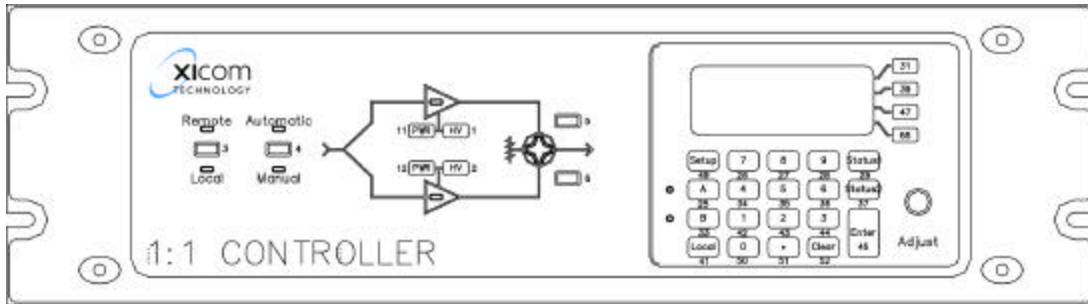
Status Indicators - Others

Channel Selected
RF Transmit Power (optional)
RF Reflected Power (optional)

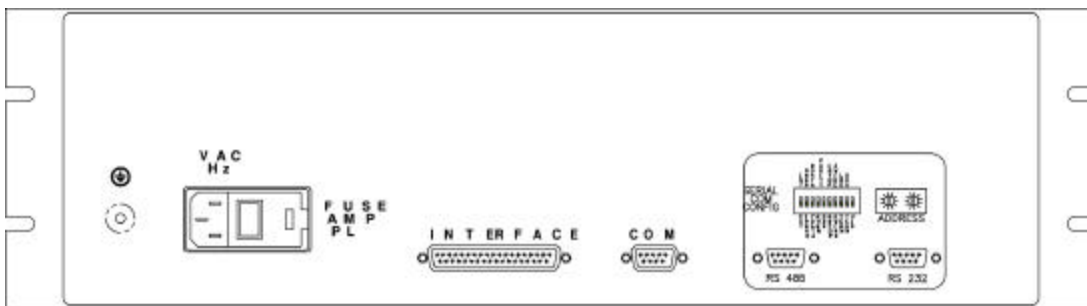
RF Power to Load (optional)
Local / Remote-Controller
Manual / Auto

XTC-112D OUTLINE DRAWINGS

Front Panel

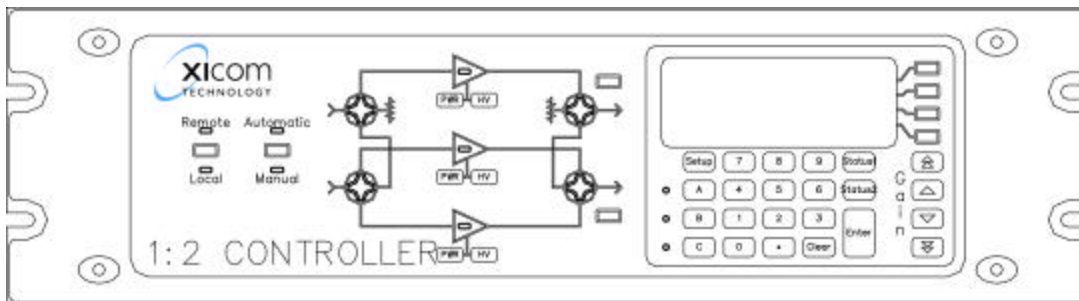


Rear Panel



XTC-123D OUTLINE DRAWINGS

Front Panel



Rear Panel

