Features

- Communicates with newer models via Ethernet, and with legacy amps via serial interface (RS-485). Supports SIM switch configuration software, controlling up to sixteen switches and ten amplifiers which have CAN-Bus architecture, or in other cases up to four switches and three amplifiers.
- Can be used as a switch monitor and manual override controller in systems where all HPAs are connected to a SIM switching system or legacy switch system.
- Provides upstream Ethernet interface for the connected legacy amplifiers:
  - Ethernet control only (BCIP or ACIP as supported by amplifier) or serial interface
  - Web interface available
  - Able to provide remote control capability for multiple (SIM enabled) systems simultaneously

Local User Interface

- Same state-of-the-art interface as CPI’s new T-Series indoor HPAs (without the RF sample port or front power switch)
- Touch-screen control panel
  - Display systems overview(s)
  - Display amplifier details
  - Control switch systems
  - Control amplifier(s)
  - Configure interfaces
  - Configure switch system
- USB Port
  - Download log of most (T-series) amplifiers to USB stick
  - Upload panel firmware from USB stick to any (T-series) amplifier
  - Download screen settings of remote controller’s user interface
  - Upload screen settings of remote controller’s user interface

M&C Interface

- BCIP over Ethernet (standard) to amplifiers
- Serial (BCIP and if legacy, ACIP) to amplifiers: RS 485
- Serial - Panel to M&C System: RS-232/485

Model 3RU

5.25” panel provides full M&C capability for CMPAs, CHPAs and most outdoor HPAs. For satellite uplink applications.

OPTIONS

- Second AC Input
- Redundant Power Supply

REGULATORY

- RoHS Certified
- CE Marked
- EMC per Directive 2004/108/EC to Class A equipment level
## Touch Panel Controller for CPI Satellite Uplink Amplifiers and Systems

<table>
<thead>
<tr>
<th>Specification</th>
<th>Model 3RU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display Screens</td>
<td>Redundant Switch System Status, Redundant Switch System Control, Amplifier Status, Amplifier Menu, Amplifier Meters, Amplifier Settings, Amplifier Event Log</td>
</tr>
<tr>
<td>System Indicators</td>
<td>M&amp;C Remote Control, Local Panel Control</td>
</tr>
<tr>
<td>Touch Screen Controls</td>
<td>Local/Remote, Switch System Selector, Switch Auto/Manual, Manual Switch Control, Amplifier Selector, Transmit and Standby, Fault Reset, RF Inhibit, Amplifier RF Power Level, Menu Selector</td>
</tr>
<tr>
<td>Rear Panel Connections/Controls</td>
<td>AC Prime Power Input, AC On/Off Switch, RS-485 to Amplifier(s) RS-232/422/485 Serial M&amp;C Port, 10Base-T Ethernet M&amp;C Port</td>
</tr>
<tr>
<td>Dimensions</td>
<td>5.25 x 19 x 10 inches max. (134 x 483 x 254 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;15 lbs. (6.8 kg)</td>
</tr>
<tr>
<td>Input Power</td>
<td>100 to 240 VAC ±10%; 50/60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt; 20 watts</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-10°C to +50°C operating; -40°C to +71°C non-operating</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>95% non-condensing</td>
</tr>
<tr>
<td>Shock and Vibration</td>
<td>As encountered in normal transportation</td>
</tr>
</tbody>
</table>

System control page view of two separate redundancy systems