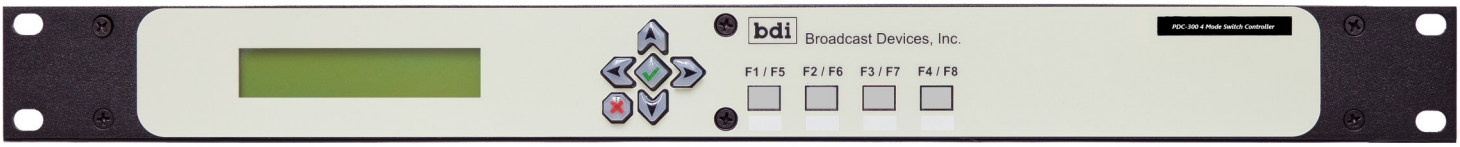
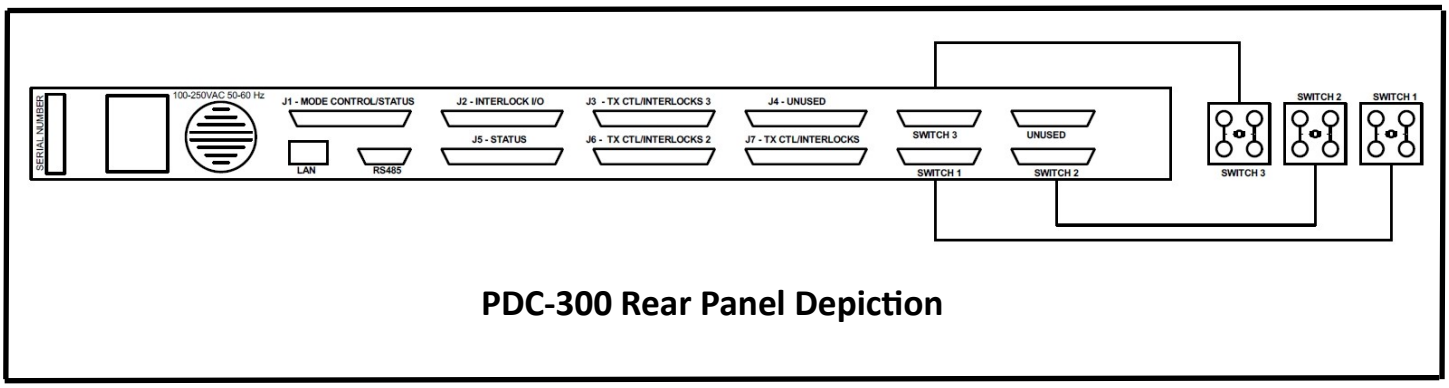
PDC-300 RF Switch Controller

Three Switch— Motorized RF Switch Controller with SNMP



The PDC-300 controller is designed for master antenna power dividers where it is desired to have multiple modes of operation for dual feed or single feed to an antenna system. With dual layer antennas it is often needed to be able to operate from upper or lower antenna and the PDC-300 was designed specifically for this application. The units support four modes—"Main Dual Feed", "Upper Only", "Lower Only" and "Test Mode". All interlocks are managed by the controller to interface to any interlock system desired. As with all BDI RF support products the PDC-300 can easily interface to modern remote control systems as an SNMP v2 agent device. Of course the PDC-300 has local GPIO control/status connections as well for local control/ status panels or legacy remote control interface.



PDC-300 Rear Panel Depiction

- **A modern approach to RF switch control in a compact 1 RU chassis form factor**
- **Management/Control/Status of up to 3 — RF switches with interlock control**
- **Compatible with all major manufacturer's RF transfer switches**
- **Built in LAN Port Provides Remote Control Via Supplied BDI GUI Software and as an SNMPv2 Agent**
- **Local Control/Status Connectors Provided for Interface to Legacy Remote Controls or Local Control/Status Panel**
- **Optional RF Switch Cables available for most manufacturers' RF switches**
- **Inputs available for "RF Safe" Switch Operations—Protects Against Switch Damage**
- **Full/Half Power control output available via GPIO with status available via SNMP**
- **Front Panel Control/Status of Switch Positions for Each Mode: Main, Upper, Lower, Test**

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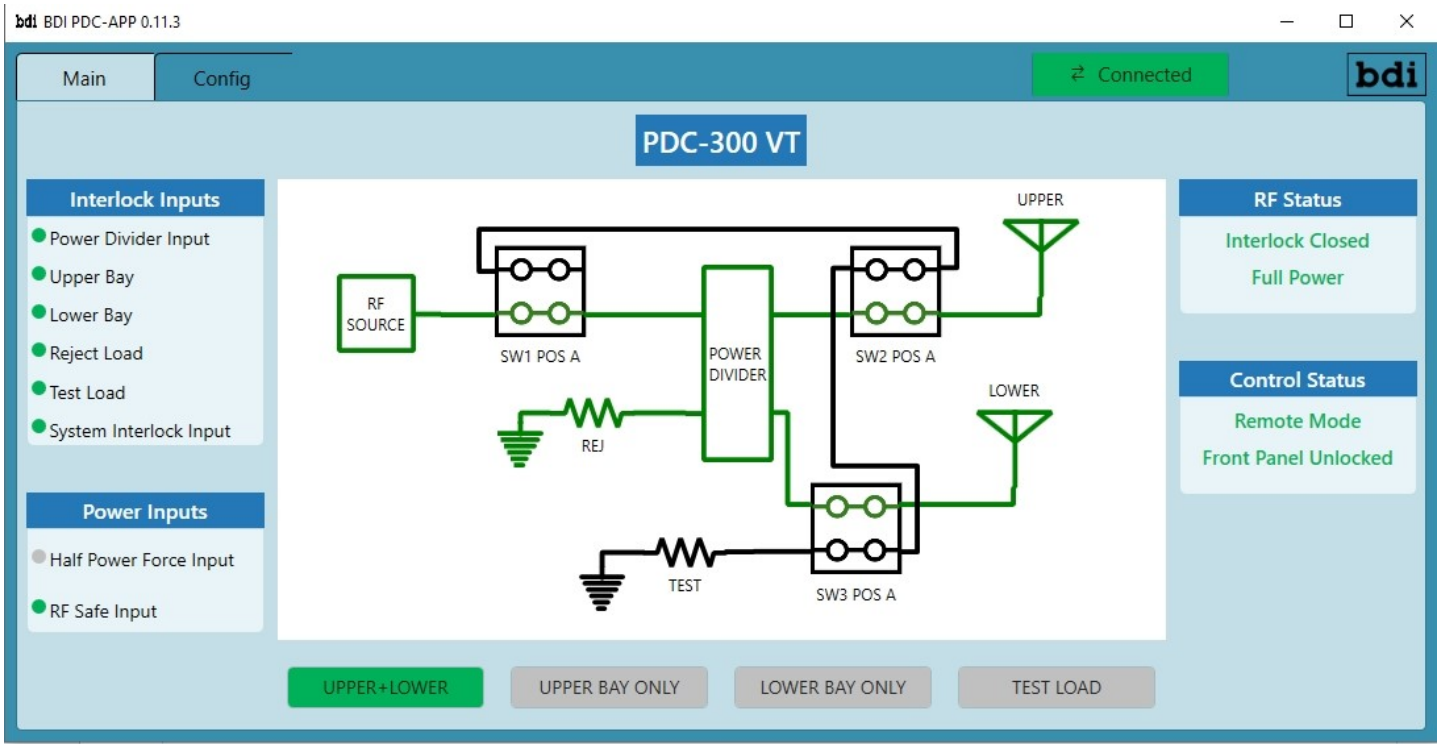
PDC-300 - Three Switch Controller Technical Specifications

Switch Control Voltage:	12 or 24 VDC—Selectable for Each Switch
Number of Switches Supported:	3
Switch Manufacturers supported but limited to:	Delta*, Delta Meccanica, Dielectric 50/60K, DowKey, ERI, Kintronics, Mega/MCI, Myat, Spinner
Transmitter and Interlock Control:	Each Switch movement supports Interlock Open/Closure for safe switch operations with 12 available relays plus 12 relays for Full/Half Power command.
Transmitter Interface:	Form C dry contact relays
GPIO Remote Control interface :	Main, Upper, Lower, Test command/status, Full/Half Power status
Connector Style:	DSUB25 Female for control/interlocks, DSUB15 Female for switch interface
Communications Interface:	Ethernet TCP/IP, SNMPv2 Agent (MIB supplied) and Supplied BDI Graphical User Interface Compatible with Windows 7 , 8 ,10,11
Physical Dimensions:	19” W X 10”D X 1.75” H—EIA Standard 1 Rack Unit
Electrical Requirements:	100-240 VAC 50/60 Hertz @ 0.5 ampere
Environmental:	0-60 degrees C, non condensing atmosphere



Convenient to use Graphical User Interface for all Switch Operations and System Status