

SWP-206 8 Channel Antenna Monitor System

8 Channel Power Monitor/VSWR Protection System With SNMP



SWP-206 Antenna Monitor, front panel

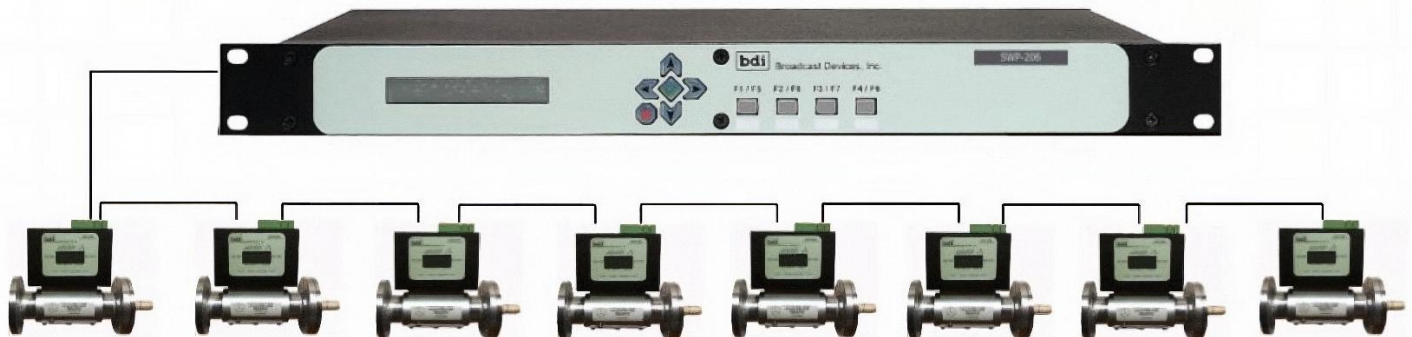


SWP-206 Antenna Monitor, rear panel

Features

- Local/Remote display of all critical parameters through a single Internet connection
- Supports SNMPv2 for interface to SNMP-based remote controls and software
- Supports up to 8 DPS-100D Calibrated RF Power Meters
- Simple Plug and Play Connections via a Standard STP CAT5 Cable
- Monitor all critical RF parameters of any master antenna system
- Accurate broadband multicarrier RF power measurement
- Proprietary Three Strike reflected power protection algorithm
- Programmable interlock suitable for broadband and narrowband 3 strike conditions
- Programmable Interlock Control for broadband and narrowband fault events—for use in RF channel combiner systems

Product Description

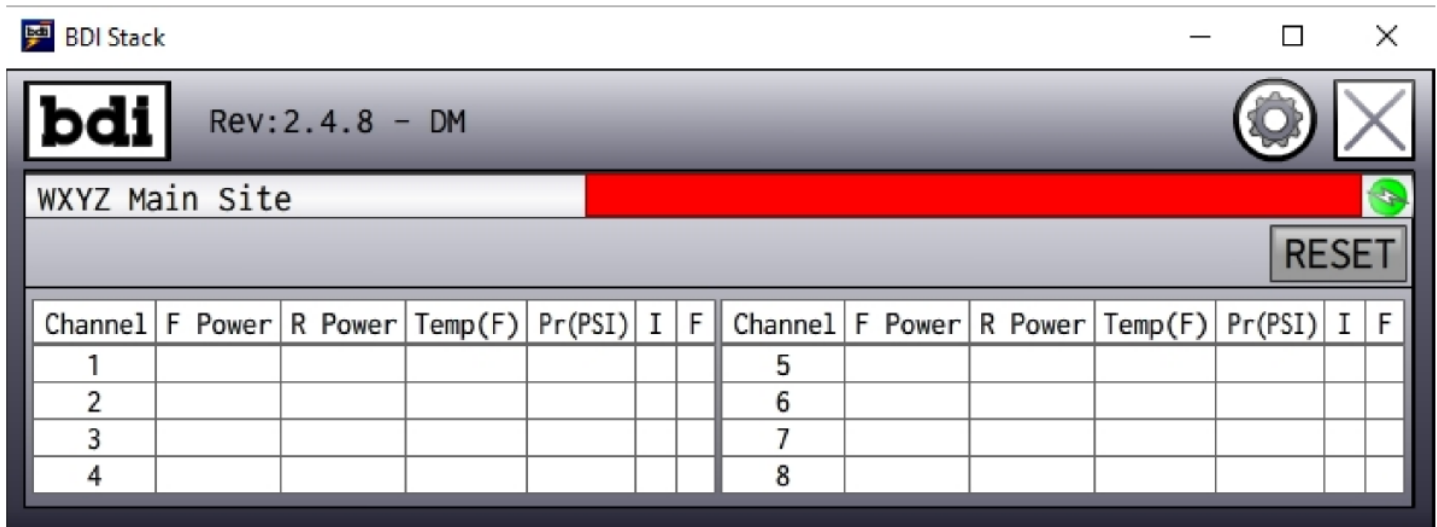


SWP-206 Antenna Monitor System provides power monitoring and protection for Master FM and Television Antenna and Combiner Systems

The SWP-206 Digi Monitor was developed by BDI to display data from up to eight (8) BDI DPS-100D True RMS Digital Power Sensors on a single rack-unit display. The SWP-206 can measure up to eight (8) directional couplers' forward/ reflected outputs simultaneously, providing interlock control to safeguard against damage caused by high reflected power. The SWP-206 accurately displays forward/reflected power, temperature, and line pressure measurements, which can be obtained by adding optional BDI TMP-100 temperature and PSW-100 pressure sensors connected to the accompanying DPS-100D True RMS power sensor systems. A simple RS-485 serial connection via standard CAT5/6 cabling connects the various DPS-100D power sensors to the SWP-206 chassis. The SWP-206 provides phantom DC power for up to eight (8) DPS-100D sensors. SWP-206 systems are offered as complete systems with CALIBRATED RF Watt meters. There is nothing else to buy

SWP-206 8 Channel Antenna Monitor System

to accurately monitor digital TV, FM, IBOC, or DAB antenna and combiner systems. For a system where more than eight (8) broadcast stations are combined, multiple DPS-206s are employed.



BDI SWP-206 Windows App Main Monitoring Screen GUI.

Technical Specifications	SWP-206
Number of RF Monitor Channels Supported:	Up to eight (8) Forward/reflected power, temperature, and transmission line pressure
Number of Interlock Relays Available:	Eight (8) Form C Relays, contact rating 2A. @ 120 VAC, Optional additional to twenty-four (24) relays can be programmed for broadband or narrowband faults to provide station-specific interlock protection
Remote Control/Status:	GPIO Status of Interlock, Fault, Fault Reset, RS232 Status, Ground Start/TTL compatible Status, TCP/IP-SNMPv2 Agent
Communications Interface:	RS232/485, Parallel Remote Control, Ethernet TCP/IP, SNMPv2 Agent (MIB file provided), and supplied BDI Windows App with Graphical User Interface
LAN connection	RJ45 TCP/IP – SNMP v2 Agent
Power Requirements:	100 to 240 VAC 50/60 Hz @ 0.5 ampere
Operating Ambient Temperature:	32 to 122 degrees, F (0 to 50 degrees, C)
Humidity:	95%, Non-condensing
Mechanical Dimensions:	19 in W x 10 in D x 1.75 in H (483 mm W x 254 mm D x 44 mm H) Standard One (1) EIA Rack Unit Enclosure with Four (4) Mounting Holes
Shipping Dimensions:	22 in W x 14 in D x 7 in H (559 mm W x 356 mm D x 178 mm H)
Shipping Weight:	15 lbs (7 kg)

SWP-206 8 Channel Antenna Monitor System

Ordering Information

Part Number	Description
SWP-206-D	SWP-206 system 8 Channel display and interlock controller with Ethernet Connection for up to eight (8) DPS-100D Power meters and accessories.
SWP-206DR	SWP-206 system, same as above, with a redundant power supply option; requires an RPSC-PS power supply chassis available from BDI.
RPSC-PS	Redundant Power Supply Chassis for Use with All R-Suffix Switch Controllers, Remote Controls. Includes 3-foot (1 Meter) interconnection cable.

Accessories

Part Number	Description
SWP Option #15	DB25 Breakout to Terminal Block Panel for SWP-200 or SWP-206 Chassis 19" EIA Rack Mount Panel providing DB25 to terminal block breakout of three (3) DB25 Connectors for SWP-200 and SWP-206 chassis, includes 3-foot (one-meter) interconnection cable.
SWP-Option #22	Eight (8) Push Button Panel for ISC-200, PCC-300, PDC-300, and SWP Series Remote Control Connector provides eight (8) pushbuttons and status for direct interface to the controller and remote controls when plugged into these controllers. Includes 6-foot (2-meter) DSUB M/M interface cable.
SWP Option #23	An optional relay board provides eight (8) additional relay (NC/C/NO) interlock closures for SWP-200, SWP-206, SWP-300, and ISC-200. SWP-200 and SWP-300 can accommodate one (1) additional auxiliary relay board. The SWP-206 and ISC-200 can accommodate up to two (2) additional auxiliary relay boards.
IOX-24S	SNMP Remote Control and Expansion Panel provides Twenty-Four (24) Control Relays, Twenty-Four (24) Status Inputs, and Eight (8) Analog Metering Inputs. Includes Windows App with graphical user interface or can connect to the serial port of the ISC-200, PCC-300, PDC-300, or SWP Series Switch Controllers.
ICP-800	Interlock Consolidation Panel for Master Antenna Applications with RF Presence Indication: A two-rack-unit panel that consolidates up to sixteen (16) DPS-100D series power meter interlock connections, along with SWP-206D chassis, into a single interlock connection for each station on a master antenna system.
RLY-120-12	Utility Relay Module – Twelve (12) Individual Relays or Twelve (12) Relay T-Bar Style Output - 12 VDC Relays 12 to 12 VDC relays that can be individually controlled or bussed together to form a T-BAR, all relay control from a single closure
RLY-120-24	Utility Relay Module – Twelve (12) Individual Relays or Twelve (12) Relay T-Bar Style Output - 24 VDC Relays 12 to 24 VDC relays that can be individually controlled or bussed together to form a T-BAR, all relay control from a single closure
RLY-120-12P	Same as RLY-12 but mounted on a Two (2) Rack Unit EIA Rack Panel
RLY-120-24P	Same as RLY-24 but mounted on a Two (2) Rack Unit EIA Rack Panel