

SX-3 PRESELECTOR INSTRUCTIONS

SX-3 Preselector, designed for both BCL/SWL and HAM use by being inserted between antenna and transceiver or receiver, will select and boost weak signals burried among noises and, at the same time, reduce image interferences.



FEATURES:

- o Usable with transceiver with a remote circuit terminal or also applicable with short-wave receiver(radio) with high impedance antenna terminal.
- o Covers continuously 3-30MHz with 3 selective bands.
- o Ease of connection to transceiver and or receiver.
- o RF gain control and RF attenuator reduce cross modulation.
- o Protection circuit is employed against mal-connections.

SPECIFICATIONS:

Frequency Range	: 3-30MHz(3 bands: 3-7MHz, 7-14MHz & 14-30MHz)
RF Gain	: Over 15dB, continuously variable by RF gain control
Semiconductors Used	: 3 FETs & 7 Diodes (inclusive of LEDs)
RF Attenuator	: -10dB
Input Impedance	: 50 ohms
Output Impedance	: 50 ohms (Low), 1Kohms(High)
Standby Method	: Remote method (Relay 'ON' when receiving)
Relay Withstand Input	: 100W(CW)
Power Source	: 117/220/240VAC, 50/60Hz
Dimensions	: 195W x 62H x 152D m/m
Weight	: 1.4Kg

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Standard accessories to SX-3 include 1) a 50cm long twin(red and black) connection cord with 2 alligator clips for BCL/SWL receiver of high impedance type 2) a 1 meter long twin(red and black) for 'stand-by' connection to amateur transceiver 3) 2 each of 6cm long cord for output impedance change-over and 4) instructions sheet.

HOW TO CONNECT SX-3 TO BCL/SWL RECEIVER OR AMATEUR TRANSCEIVER

A. For Use With Receiver of High Impedance Type(See Fig. 1)

- (1) Connect a 6cm cord between "LOW" and "E" terminals.
- (2) Connect a 50cm twin(red and black) cord between "HI" and "E" and its the other ends with alligator clips to Earth and Antenna terminal of receiver.(Red to Ant)
- (3) Connect another 6cm cord between "H" and "E" to activate internal relay for reception.
- (4) Connect antenna to ANT. terminal A in case of wire feeder or to the coaxial connector in case of coaxial cable feeder. Use earth E in case of need.

Fig. 1

