IDA CORPORATION

The Way for 2-Way

Model 24-46
D.C. Remote

The 24-46 has been designed with the future in mind. As your Two Way Radio communications needs change and grow, the 24-46 will keep up. Features that are an additional cost on less capable remotes are STANDARD with IDA's 24-46. Standard features that are not utilized when the equipment is acquired can easily be put in service later. Simple programming done in the field will activate and/or configure Monitor, Intercom, Mute, Alert Tone, Number of Channels, and the Auxiliaries.

With multiple remotes installed in parallel, the audio levels remain consistent. Even in a noisy environment, you will be heard loud and clear.

Cost Options

Option 410 - Clock and VU Meter
- Large easy to read LED display gives TIME and TX level at a glance. *(Field programmable as Military or Standard time.)*

Option 411 - Four Wire
- Programmable for full duplex or separate pairs for TX and RX

Option 412 - Supervisory / Alternate Line
- Programmed as Supervisory this option allows one desktop remote to control access to the base station by other remotes. Programmed as Alternate Lline allows the deskset to switch to a different base station radio with the push of a button.

Option 413 - Parallel TX Indicator
- Gives visual indication of TX by another remote even while muted

Option 414 - Additional Control Currents
- of +/- 15mA and +/- 20mA

Features & Capabilities

- Field Programmable by PC
- Control & Display up to four channels
- Monitor *(latched or momentary)*
- Intercom
- Mute *(latched or momentary)*
- Alert Tone
- Programmable Auxiliaries
- 30 dB of Compression and 3 Watts of speaker audio

Additional Programmable Features

- Currents can be programmed for whichever function is desired
  - ☛ Standard available currents: 0, +/- 2.5, +/- 6, +/- 11
- Disable of ON HOOK MONITOR
  - ☛ (handset only)
- Momentary F2
  - ☛ (always returns to F1)
- Momentary Intercom
- Parallel Override
  - ☛ (allows remote to send command currents even if parallel remote is off hook, Option 413 required)

EFJohnson TECHNOLOGIES   HARRIS   ICOM   KENWOOD   MIDLAND   MOTOROLA   RELM WIRELESS   tait communications   Vertex Standard

24-30 4/12

Model 24-46
D.C. Remote Specifications

Input voltage.. 117/230 VAC +- 20% 50/60 Hz

Standby voltage...

Standby current..

Input power (max).............. 17W (TX), 24W (RX), 4W (STBY)

Temperature range...0° to +60° C

Relative humidity ....90% at 50° C

Line impedance (1KHz).................................600 ohms (TX)

....600 or 5k ohms (RX)

Line audio output (600 ohm load) ....-20 to +10 dBm

TX hum & noise.................................... -55 dB (ref +11 dBm)

Threshold of compression ....-20 dBm adjustable (line to speaker audio)

Speaker audio output (RMS) .... 3W into 4 ohms

Distortion (at rated speaker output) .... < 3%

RX hum & noise...-55 dB (ref 0 dBm)

Frequency response .... +1, -3 dB (300 to 3000 Hz)

RX Compression..........................With an audio increase of 30 dbB beyond the start of compression the output increases less than 3 dB

TX Compression .... With an audio increase of 30 dB beyond the start of compression the output increases 15 to 16 dB

Line control ....2 or 4 wire audio

Notch filter depth...N/A

Weight.. 4 lbs 15 oz

Dimensions....................................... 4.75" (h) x 8" (d) x 10" (w)

Model 20-18 DC ADAPTER PANEL

Reliable and flexible describes the 20-18 panel. Jumper selectable 2 wire/4 wire, switchable current schemes and local mic jack make for easy installation. Available in its own rugged cabinet, the 20-18 can be ordered with plug and play cabling for may popular radios.

Other IDA board only adapters:
     20-15 - Single function
     20-16 - Dual function
     20-17 - Four function

Other Options

RBC-001
•   Wall Mounting Bracket

RBC-002
•   External Encode/Decode Cable

RBC-003
•   Programming Cable and Software