

KY 196A and KY 197A



The Coverage, The Features

For component avionics, you can't make a better choice than our Silver Crown Plus COMM transceivers, the KY196A, KY196B and KY197A. The 28-volt KY 196A delivers 16 watts minimum transmit output power, supporting a frequency range from 118.00MHz to 136.975MHz. Its 14-volt counterpart, the 10-watt KY 197A covers the same range to provide 760 COMM channels. The 28-volt KY 196B takes coverage a step further, meeting the ICAO EUR Region's 8.33-kHz channel spacing requirements, offering a display range of 118.000MHz to 136.990MHz and providing a total of 2,280 channels.

And when it comes to backing this coverage with features, utility is the watchword.

For example, the active frequency is clearly distinguishable from the standby frequency, with both displayed in separate, dedicated windows. This allows you to preselect the standby frequency while you continue to use the active frequency.

Optional remote mounted switches can also be installed on your aircraft's yoke or cyclic to facilitate frequency management. These switches enable you to actuate the flip-flop function or call up any of the unit's nine pilot-programmable memory channels with-

out repositioning your hands.

The total frequency storage capacity is actually 11, including 'USE' and 'STBY.' All three units' memory channels are especially useful for preprogramming the frequencies you use on an everyday basis –ATIS, ground control and tower –or the ones you use on repetitive routes. All 11 frequencies are held in nonvolatile storage, so no batteries or external power are needed.

Other special features include audio leveling, which automatically amplifies weak signals and mutes strong ones to provide a more consistent volume level. The stuck microphone indicator shuts down the transmitter and flashes the display if the mike is keyed for more than two minutes. (This prevents you from inadvertently jamming a frequency and making it unusable for other pilots.) There's also a 'Program Secure' mode that lets you lock a specific frequency into a specific channel number, so the program can't be changed from the panel.

Better And Brighter

When it comes to aircraft systems, most pilots have one request: Keep it simple. Why? Because "complicated" means trouble, and that's the last thing you need. Knowing that, our KY 196A, KY 196B and KY 197A

communications transceivers have been updated to help simplify the demands you face in the air.

The new contemporary faceplate, for example, is more than a styling update. It's a change that helps improve ergonomics, making these units easier to operate. Backlighting of the bezel nomenclature and knobs is now standard, making night use easier than ever. The knobs have been made sturdier, too, giving you a more precise feel.

Backed By The Best

Like our other panel-mounted avionics, the KY 196A, KY 196B and KY 197A are backed by our comprehensive two-year Bendix/King 'no-hassle' warranty. And no matter where you fly, you'll never be far from one of our 800 authorized service centers worldwide—the most extensive and responsive support network in general aviation.

Combining improved ergonomics, usable features, proven performance and legendary Bendix/King reliability, the Silver Crown Plus KY 196A, KY 196B and KY 197A offer the value and capability you expect from the leader in panel-mounted avionics.



KY 196A/B and KY197A Specifications

TSO Compliance:

Transmitter:

KY 196A- C37c, Class 3
KY 196B- C37c, Class 3, 4 & 5
KY 197A- C37c, Class 4

Receiver:

KY 196A/B & KY 197A- C38c, Class A

Physical Dimensions:

Height: 1.35 in (3.43 cm)
Width: 6.312 in (16.032 cm)
Depth: 10.776 in (25.847 cm)
Weight: 2.8 lbs (1.27 Kg)

Temperature Range:

-20°C to +55°C with short time operation at +70°C

Power Requirements:

KY 196A/B- 28VDC at 1.0A (Receive), 6.0A (Transmit)
KY 197A- 14VDC at 1.0A (Receive), 6.0A (Transmit)

Frequency Range:

KY 196A/KY 197A- 118.000 MHz to 136.975 MHz in 25kHz increments
KY 196B- 118.0000 MHz to 136.9916 MHz in 8.33kHz increments
(118.000 MHz to 136.990 MHz displayed per DO186a and ED-23B)

Frequency Stability:

.0015% from -20°C to +55°C

Power Output:

KY 196A/B- 16 Watts minimum
KY 197A- 10 Watts minimum

Sidetone Output:

Adjustable up to 100mW into 500 headphones

Microphone:

Must provide 100mV RMS into 100 load

Duty Cycle:

1 minute on, 4 minutes off

Receiver Output:

100mW minimum into 500