Bendix/King KT 73 Data Link Transponder

Enhanced Transponder Performance with TIS Capability

INTEGRATED SAFETY SOLUTION
FOR GENERAL AVIATION

Honeywell
The highly reliable and compact Bendix/King KT 73 Data Link Transponder is an affordable, solid-state General Aviation transponder with Mode S capability. As a panel-mounted unit, the KT 73 is designed for new or retrofit installations, as it fits the same mounting rack as our KT 76A/C and KT 70/71 transponders. Rotary knobs allow for easy squawk code entry or changes to your aircraft's flight identification code.

The KT 73 meets TSO-C112 for Class 2A ATCRBS Mode A/C and Mode S Airborne Transponder Systems, while also meeting European non-diversity elementary surveillance mandate requirements, including surveillance identifier codes and Flight ID, and is certified to JTSO-2C112a. Additionally, the KT 73 is fully field-upgradeable (software only) to include air-to-ground Automatic Dependent Surveillance Broadcast (ADS-B) operation. This transponder function enables aircraft to transmit position, altitude and vector information derived from the on-board GPS system for use by ATC facilities.

**Traffic Information Service (TIS)**

When interfaced with the Bendix/King KMD 250, 550 or 850 the KT 73 will display traffic using the FAA's Mode S secondary surveillance radar system, which contains the surveillance data as well as the data link required to "uplink" relative traffic information to the aircraft. The KT 73 is intended to "assist" the pilot in visual acquisition of nearby aircraft and enhances situational awareness by being able to "see and avoid" nearby traffic and potential conflict situations. Bendix/King displays also feature patent pending, smoothing algorithms which improve traffic update accuracy during aircraft maneuvers and between radar scans, and will enhance presentation of the intruder aircraft's relative position to KT 73 equipped aircraft. The KT 73 TIS information displayed includes relative position, altitude, bearing and altitude trend information for up to eight transponder-equipped intruder aircraft out to 7 nautical miles, and 3,500 feet above or 3,200 feet below the aircraft.

**Ident Button**

Marked IDT, the KT 73's Ident button is pressed when ground control requests an "Ident" or "Squawk Ident" from your aircraft. The IDT nomenclature is lit during Ident.

**Pilot-Friendly Design**

The KT 73 features an easy-to-read gas-discharge display offering encoded altitude and assigned code information simultaneously. Pushbutton selection of VFR code and Remote-Ident switching help reduce pilot workload. Built-in Test equipment provides continuous self-test capability. In addition, the KT 73's surface mount technology construction provides outstanding reliability. The KT 73 is TSO'd as a C112 Class 3A transponder and is suitable for use at up to 50,000 feet (15,240 meters).

**TIS Capabilities**

The KT 73 TIS information displayed includes relative position, altitude, bearing and altitude trend information for up to eight transponder equipped intruder aircraft out to 7 nautical miles, and 3,500 feet above or 3,200 feet below the aircraft.

With more than 30 years of experience, Honeywell is the recognized leader in transponder technology. Our Bendix/King KT 73 Data Link Transponder with Traffic Information Service (TIS) functionality delivers enhanced safety, operating efficiency, and information-exchange capacity for your aircraft.
**ID Code**
The ATCRBS Transponder Identification code (squawk code) for the aircraft is displayed in the Ident Window on the right side of the display. Each of the four Transponder Code Selector Knobs selects a separate digit of the identification code.

**Reply**
The lighted “R” reply indicator blinks when the transponder is replying to a valid interrogation.

**Altitude Display**
The KT 73 displays Flight Level Altitude, marked by the letters “FLT” and a number in hundreds of feet, on the left side of the display.

**VFR**
The VFR Pushbutton recalls the preprogrammed VFR code, superseding whatever code was previously entered.

**Function Selector Knob**
The Function Selector Knob on the right side of the KT 73 enables you to choose from among the following operating modes:

- **OFF** – The unit is not receiving power.
- **FLT ID** – In this position, the unit displays the aircraft’s flight identification code and allows it to be changed. The unit does not transmit in this mode.
- **SBY (Standby)** – In Standby, the unit is energized but is inhibited from transmitting.
- **TST (Test)** – Replies are disabled in test mode, and the unit illuminates all segments of the display for at least four seconds.
- **GND (Ground)** – The KT 73 will inhibit ATCRBS (Air Traffic Control Radar Beacon System), ATCRBS/Mode S All Call and Mode S-Only All Call replies. However, the unit will continue to generate Mode S squitter transmissions and reply to discretely addressed Mode S interrogations.
- **ON** – The KT 73 is able to reply to all valid Mode A, C and S interrogations, with altitude information suppressed.
- **ALT (Altitude)** – The KT 73 will reply to all valid Mode A, C and S interrogations with altitude information enabled.

**Advanced Situational Awareness**
Ensure superior flight safety with a Bendix/King Integrated Hazard Avoidance System (IHAS). IHAS systems encompass each of the four major airborne safety systems – positioning, weather avoidance, traffic advisories and terrain awareness – to give you a clear, comprehensive snapshot of flight conditions on one easy-to-read multifunction display. Enhance the capability of the KT 73 with the IHAS 2000 system for a fully integrated safety solution.

**Why Honeywell?**
- 30 years of avionics system experience
- Industry leader in safety system integration
- Broadest range of avionics products and services
- Proven designs with high reliability
- Global service and support network (24/7/365)

**Mode S and TIS Key Benefits**
The KT 73 incorporates all of the key benefits of Mode S and TIS technology, providing a direct link between your aircraft and the ground:

- Improved aircraft surveillance and reporting accuracy
- Reduced interference in identity and altitude reporting
- Ability to send and receive data link information
- Enhanced pilot situational awareness
Honeywell Aerospace
Honeywell is a leading global provider of integrated avionics, wheels and brakes, engines, systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations.
For more information on Honeywell Aerospace, visit us online at www.honeywell.com/aero

Customer Support
Our Bendix/King IHAS systems and components are backed by our comprehensive Honeywell’s comprehensive service offering and two-year “no hassle” warranty. And wherever you fly, you’ll never be far from one of our 800 authorized service centers worldwide – the most extensive and capable network in general aviation.

Find out more
For further information on the KT 73 data link transponder with TIS capabilities, contact us at 877-712-2386 or visit us online at www.honeywell.com/bendixking

KT 73 Data Link Transponder
Type: . Mode S Level 2 Data Link
TSO: ............ C112; DO-178B, DO-181B, DO-160D
Weight: ............ 3.63 lbs (1.65kg)
Width: ............ 6.25 in. (15.87 cm)
Height: ............ 1.63 in. (4.14 cm)
Depth: ............ 10.82 in. (27.48 cm)
Voltage (DC): ............ 10-32
Max. Current Draw: ............ 2.5 amperes
Transmitter Power: ............ 200W
Altitude Range: ............ 50,000 ft. (15,240 m)
Temperature Range: ............ -20º to + 55º C.
Cooling Requirement: ............ Optional