

BendixKing



MST 70B

ADS-B Compliance – *Made Easy*

ADS-B Compliance. *Made Easy.*

Background:

BendixKing's MST 70B is the simplest way to make your MST 67A Mode S transponder equipped business aircraft compliant with the global ADS-B OUT mandates as an integral part of your BendixKing CAS TCAS II system. It brings new capabilities to your current traffic and surveillance system with a transition to ADS-B OUT.

With airspace becoming increasingly crowded; situational awareness mandates by global international regulatory agencies are being approved every year. Automatic Dependent Surveillance-Broadcast (ADS-B) is one such mandate that becomes effective starting on January 1, 2020 for the airspace that has adopted FAA rules. Other countries have also issued ADS-B OUT mandates requiring similar compliance.

The MST 70 B retrofit of the MST 67A provides the following additional benefits:

- Form factor compatible retrofit for your existing BendixKing MST 67A Transponder
- ADS-B OUT certified for installation in the popular BendixKing TCAS II systems and most popular business legacy aircraft
- Simplified installation using existing MST 67A rack and connector reducing installation cost and aircraft downtime
- Meets global ADS-B OUT mandate requirements
- Lightweight and low power consumption

The MST 70B is an ADS-B OUT retrofit solution for aircraft that currently use the MST 67A Mode S transponder. It was designed to use the existing mounting rack and connectors for a quick and easy installation.

MST 70B Specifications	
Length	12.62 in. (320.5 mm)
Width	2.25 in. (57.15 mm)
Height	7.62 in. (193.5 mm)
Maximum Weight	5.5 lbs. (2.5 kg)
Operating Voltage	+18.0 V to +30.3 V dc (+27.5 V dc nominal); Receive mode: 1 A nominal at 27.5 V dc
Current	Transmit mode: 2 A nominal at 27.5 V dc
Power Consumption:	
Standby Mode (No Replies)	28 Watts nominal at +27.5 V dc
Active Mode (Maximum Load)	55 Watts maximum at +27.5 V dc
External Circuit Breaker Rating	5 A at +27.5 V dc
Cooling Requirements	Fan installed on unit
Tray Connector	ARINC 404A 2 Ganged Connector w/ Signal Pins (DSX2H24S35X0001) or BendixKing Part Number 030-03106-0000 ARINC 404A, Type DPX2MA, connector hood
Mounting	B/E Aerospace part number MT4-1000S (or MT4-1001S) or BendixKing Part Number 047-09406-0014
Environmental	DO-160G
TSO/JTSO	C112d, C166b/C112d
Software	ARINC 404A, 1/4 ATR Short
Transp. Data Link Capability	ICAO Level 3 (COMM-A/B/C)
ADS-B Capability	1090ES Extended Squitter per RTCA DO-260B MOPS for 1090 ADS-B Equipment
Power Consumption	28 Watts (standby), 55 Watts (maximum)
No. of Antenna Ports	2 (diversity)

For details of the equipment certified to be paired with the MST 70B please go to www.bendixking.com.

Find Out More

To learn more, call 1.855.250.7027, see your local BendixKing dealer or visit bendixking.com

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