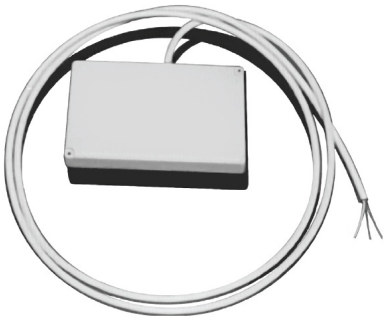
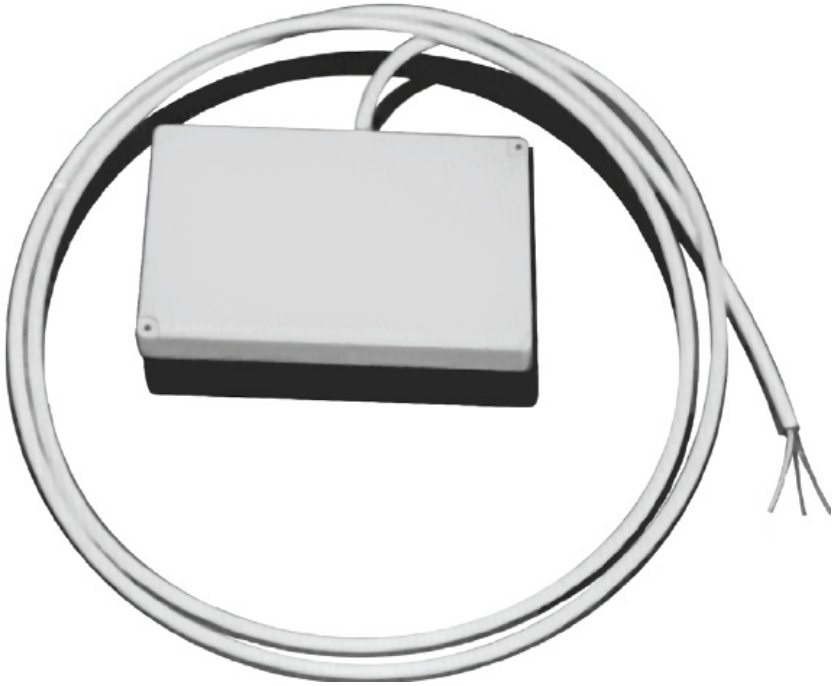


TRANSCORE AT5720 Check Tag Owner's Manual

Contents

TRANSCORE AT5720 Check Tag



The AT5720 Check Tag provides a means by which the user may perform end-to-end status checks of TransCore technology systems. The AT5720 Check Tag is installed within or near each antenna connected to a reader.
The AT5720 Check Tag obtains power and control signals directly from the reader or radio frequency (RF) module and is turned on at prescribed intervals controlled by the reader or host computer. When the AT5720 Check Tag is turned on, the system reads its ID, as with any other tag. Failure to detect the check tag ID alerts the user to possible failure within the system.
All TransCore AI1200 Reader firmware versions higher than Version 2.3 and all versions of the MPRX incorporate AT5720 Check Tag control functions. The #8100-series firmware commands enable the user to control system tests, set the time intervals for controlling one or two AT5720 Check Tags, and define each AT5720 Check Tag signature and address for diagnostic purposes. Once set, the AT5720 Check Tag signatures and addresses are saved in nonvolatile memory so they are retained even through interruptions in power. The AT5720 Check Tag has an external cable for connection to the reader or RF module via three wires: power, ground, and check tag control. Selected antennas may be ordered with the AT5720 Check Tag already installed.

Features

- Status-check capability
- External cable for connection to reader or RF module

Applications

- Rail traffic monitoring
- Automatic data capture

COMMUNICATIONS

Frequency Range
902 to 928 MHz 2400 to 2500 MHz

Typical Working Range
902 to 928 MHz (free space): 80 ft (24 m)
902 to 928 MHz (metal mount): 56 ft (17 m)
2400 to 2500 MHz (free space): 30 ft (9 m)
2400 to 2500 MHz (metal mount): 70 ft (21 m)

Range depends on system parameters.

Working Range (maximum)
902 to 928 MHz (free space):160 ft (49 m)
2400 to 2500 MHz (free space): 40 ft (12 m)
2400 to 2500 MHz (metal mount): 70 ft (21 m)

Polarization
Parallel with longer side

POWER REQUIREMENTS

Power Source
7 to 30V DC (typically from AI1200 Reader)

PHYSICAL

Dimensions
Size: 3.6 x 2.3 x 0.4 in. (9.2 x 5.9 x 1.1 cm)
Weight: 2.5 oz (70 g)

Case Material
Weatherproof, sealed

Mounting Surface
Metallic or free space

ENVIRONMENTAL

Operating Temperature
-40°F to +185°F (-40°C to +85°C)

ACCESSORIES

Selected antennas may be ordered with the AT5720 Check Tag installed.

MODEL PART NUMBERS
13-5720-NNN

For more information:
Sales Support
800.923.4824

Technical Support
505.856.8007
transcore.com

Documents / Resources

	TRANSCORE AT5720 Check Tag [pdf] Owner's Manual AT5720 Check Tag, AT5720, Check Tag, Tag

References

- TransCore | Trusted Transportation Solutions.