

FEATURES

- **Factory-programmed, 60-bit storage**
- **Wiegand programming available**
- **Beam-powered for unlimited service life**

AT5102 Access Control Tag



The AT5102 Access Control Tag is a radio frequency (RF) field disturbance device used only in applications with TransCore's SmartPass® integrated reader systems. It is factory-programmed, as specified by the customer, and stores up to 10 six-bit alphanumeric characters of customer data (64 bits total tag memory). The tag can be factory-programmed to emulate Wiegand access control cards using 26- to 54-bit Wiegand formats.

The AT5102 Access Control Tag has an unlimited service life because a small portion of the RF signal continually energizes the tag's circuitry. This feature limits the tag's range, which reduces competition with other nearby tags and enhances system discretion within a 5- to 10-foot (1.5- to 3- meter) diameter reading area.

The AT5102 Access Control Tag encodes the signal received from a SmartPass reader system with an identification number or a data message. The encoded signal reflects back (backscatters) to the SmartPass reader. TransCore's Amtech®-brand AI1600-series readers can read the AT5102 Access Control Tag.

AT5102 Access Control Tag

COMMUNICATIONS

Frequency Range

902 to 928 MHz

Typical Working Range

5 to 10 ft (1.5 to 3 m)

Range depends upon system parameters.

Polarization

Parallel with longer side

SOFTWARE FEATURES

Data Capacity

Up to 10 alphanumeric characters (or Wiegand 26- to 54-bit format) of customer data

64 bits total tag memory

POWER REQUIREMENTS

Power Source

Beam powered

LIFE EXPECTANCY

Service Life

Unlimited

PHYSICAL

Dimensions

3.6 x 2.3 x .27 in. (9.2 x 5.9 x .69 cm)

Weight

1.4 oz (40 g)

Case Material

Dustproof, polycarbonate alloy

Mounting Surface

Nonmetallic

Mounting Method

Adhesive-backed hook-and-loop material or double-sided tape attached to the tag and to the inside surface of the vehicle windshield

Mounting Location

Vehicle interior

ENVIRONMENTAL

Operating Air Temperature

-40°F to +185°F (-40°C to +85°C)

OPTIONS

Hook and Loop

For interior installation, the user can specify factory-applied hook-and-loop material.

Double-Sided Tape

For permanent interior installation, the user can specify factory-applied double-sided tape.

Tag Case Color

Standard color is beige. Consult the price list for other color options.

DOCUMENTATION

Technical Notes: Mounting TollTags® with Hook-and-Loop Attachments



For product information call: 1.800.923.4824 or 214.461.4031 (outside the U.S.) Fax 214.461.6478

www.transcore.com

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