PT5780 and PT5785

Permissions Tags

The PT5780 and PT5785 Permissions Tags are used to configure the AP4118 or AP4119 Rail Tag Programmers. The PT5780 tag configures 902 to 928 MHz tags. The PT5785 configures 860 to 880 MHz tags.

A permissions tag may be used once during the lifetime of the AP4118 or AP4119 programmer, or may be required for scheduled reconfiguration. In some cases, multiple permissions tags may be required at a single site, enabling tag programming for multiple owners or to support multiple configurations.

Multiple programmer parameters, such as programmer control number, serial number, and tag programming certification expiration date are transferred from the permissions tag to the programmer via the RF link. The programmer validates the permissions tag data and, if valid, stores the data in the programmer's non-volatile memory.

The PT5780 and PT5785 tags use the SeGo mode of operation. This prevents accidental misapplication of the permissions tag within the rail infrastructure, which includes a large number of ATA-mode reader systems.

Features

▶ Secure tag data that is only used by the AP4118 or AP4119 rail tag programmer

▶ Factory programmed for specific customer requirements

▶ Factory-sealed case

Applications

▶ PT5780 configures an AP4118 or AP4119 programmer for 902 to 928 MHz tags

▶ PT5785 configures an AP4118 or AP4119 programmer for 860-800 MHz tags

PT5780 and PT5785 Permissions Tag

COMMUNICATIONS

Frequency Range
902 to 928 MHz
Both PT5780 and PT5785 permissions tags operate in the 902 to 928 MHz frequency range, but the PT5785 Permissions Tag configures an AP4118 or AP4119 programmer that is used to program tags that operate in the 860 to 880 MHz frequency range.

Polarization
Parallel with longer side

POWER REQUIREMENTS

Power Source
Beam-powered

SOFTWARE FEATURES

Data Memory
The tag is factory-programmed as determined by specific customer requirements.

Security
The PT5780 and PT5785 are used exclusively to configure the AP4118 or AP4119 with factory-programmed information specific to each customer; user programming applications cannot modify the tag data.

LIFE EXPECTANCY

Service Life
Unlimited

PHYSICAL

Dimensions
Size: 9.4 x 2.4 x 0.8 in (23.9 x 6.1 x 2 cm)
Weight: 6.2 oz (175 g)

Case Material
Factory sealed, red case

ENVIRONMENTAL

Operating Temperature
32°F to +122°F (0°C to +50°C)

Storage Temperature
-4°F to +185°F (-20°C to +85°C)

Humidity
95% non-condensing between 77°F to +122°F (25°C to +50°C)

Vibration
1.04 G_{rms} 5 to 500 Hz

Shock
4 G, half-sine pulse, 11 ms duration, 3 axes

OPTIONS

Factory Programming
Permissions Tags are programmed at the factory to customer specifications

For more information:

Sales Support
800.923.4824

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