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Federal Communications Commission
To whom it may concern:

Reference: **xx500 Series of Proximity Readers**

Introduction

The **xx500 Series of Proximity Readers** are designed to read the codes contained in Cotag™ coded cards and tags and to pass these codes, if valid, to a host system. These Readers are primarily for use by original equipment manufacturers (OEMs) to provide proximity reading for their own proprietary access control systems.

Each Reader requires a power supply, but can usually share the same supply as the door lock

Reader Types

The xx500 Series of Proximity Readers all use virtually identical electronics but encompass four different mounting styles.

The PR500 Proximity Reader is a general purpose proximity reader which is small and slim and can be mounted on a wall or door frame.

The HD500-2 Heavy Duty Proximity Reader has a stainless steel frame, held in place by four tamper-resistant screws, which cover the mounting screws. This makes it suitable for applications where vandalism could be a problem.

The SP500 Switch Plate Proximity Reader fits a standard single surface mount or flush fitting back box, either metal or plastic, such as is used for light switches and mains plug sockets. 2 hole fixing for screwing to a standard single way back box.

The PM500 Panel Mount Proximity Reader can be mounted within a sheet metal or plastic panel, such as is used on door entry intercom systems. 4 hole fixing for screwing to the back of the panel.

Similarity to previous Readers

The xx500 Series of Proximity Readers is the next generation of Cotag™ technology readers. Earlier generation included the 5291 as already authorised in EZO 5PQ 5291

Controllers and Tags / Cards

As explained above, the Readers are primarily targetted to the OEM market, since users of Cotag™ controllers would for cost considerations use various Reading Heads and/or Loop Antennae. However all the Readers will work with 4000 / 5000 / P900 series controllers as authorised in EZO 5PQ 4000 / 4010 / 5000 / P900. All of the Cotag™ Readers, Reading Heads and Loop Antennae will operate with Cotag™ cards and tags as authorised in those series and/or in EZO 5PQ 1234.