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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.