

1.2. Operational Description

The EUT is a Mini Reader Module. The operation frequency is 125kHz with ASK modulation. The signal will be transmitted through 125kHz ASK RF signal from the soldered on PCB antenna from EUT to receiver. DC 12V shall be provided for EUT operation.

The GEM-PX is a NAPCO proprietary proximity card reader which combines with the GEM-PXCV cover to provide complete system status using indicator LED's. The GEM-PX reader can only be used with GEM 36-bit proprietary proximity cards. The GEM-PX reader consists of the proximity reader module, which is fully encapsulated in weather resistant potting and the snap on GEM-PXCV cover which houses additional LED's. The multicolored LED on the GEM-PX provides standard visual feedback as to access condition (door "locked" or "unlocked"), and the additional LED's in the GEM-PXCV cover provide feedback as to system condition system "armed" or "disarmed"). Together, the GEM-PX and GEM-PXCV is an indoor/outdoor proximity card reader providing potted electronics, low power consumption and durability all in a small, easy to install package.