

**LD2-EA0003**

## Fly By Antenna Board User Manual

**Revision: 01**

### ESD

(EN) Warning: This module is ESD sensitive. Electrostatic discharges can permanently damage the module. Handle with proper grounding equipment and techniques.

(FR) Attention: Ce module est sensible aux décharges électrostatiques, qui peuvent lui infliger des dommages permanents. Manipuler avec l'équipement et les méthodes appropriés de mise à la terre.

### RF Emission

(EN) Warning: This module contains radio-frequency transceivers and antennas which emits and receive in the 13.56 MHz frequency band. This module can interfere with and its functionality can be impacted by other nearby equipment operating in the same frequency band.

(FR) Attention: Ce module contient des émetteurs-récepteurs et antennes qui émettent et reçoivent dans la plage fréquentielle de 13.56 MHz. Ce module peut interférer et ses fonctionnalités peuvent être altérées par de l'équipement avoisinant opérant dans la même plage fréquentielle.

### RF Exposure

(EN) Warning: Exposure to Radio Frequency Energy: The radiated power output of the RFID module is below the RF exposure limits for uncontrolled exposure. This device should be operated with a minimum distance of at least 20 cm between the RFID antenna and a person's body.

(FR) Attention: Évaluation d'exposition aux RF: L'intensité de champ RF émis par la carte RFID est inférieures aux limites d'intensité de champ RF prévues pour l'environnement non contrôlé. Les dispositifs à un élément rayonnant fonctionnant normalement à des distances de séparation entre l'utilisateur et le dispositif supérieures à 20 cm.

## FCC part 15 Warnings

### FCC 2-parts warning statement under 15.19

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### Modification statement 15.21

The user manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## IC warning statement

(EN) Warning: This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

(FR) Attention: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## Labelling Requirements for the Host Device

The host device shall have a label with following content:

Contains
FCC ID : 2ADCY-LD2EA003 IC : 12416A-LD2EA0003
<b>FCC part 15 Warnings</b> FCC 2-parts warning statement under 15.19 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
<b>Modification statement 15.21</b> The user manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
<b>IC warning statement</b> (EN) Warning: This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.  (FR) Attention: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Figure 1: FCC/IC label requirement.

## Installation

This installation must be completed by a qualified technician. The LD2-EA0003 PCB module is to be installed only in a smartpanel product (Logi-D product). To function properly, it must be connected to a compliant host computer LD2-EA0001. This supplies 5VDC to the board.

To install the module LD2-EA0003:

- Place the module in the smartpanel enclosure, with the LEDs facing the wall of the enclosure. The components side should face the open side of the enclosure. This way the modular transmitter meets all the applicable part 15 requirements under the operating conditions in which the transmitter will be used.
- Secure the module in place with two (2) screws.
- Connect the ribbon cable from the host controller in the IDC connector.