



Powering Business Worldwide

Eaton

DBA Cooper Industries (Electrical) Inc.
74 – 1833 Coast Meridian Road
Port Coquitlam BC Canada V3C6G5

LPT900A

User Manual

Radu Oprea

IA9LPT900A_User_Manual.docx

This document, submitted in confidence, contains proprietary information which shall not be reproduced or transferred to other documents, disclosed to others, used for manufacturing or any other purpose without the prior written permission of Eaton.

All rights reserved.

TABLE OF CONTENTS

1	1 Introduction	3
2	List of Applicable FCC and ISED Rules	3
3	Specific Operational Use Conditions	3
4	Limited Module Procedure	3
5	FCC and ISED Regulatory Statements.....	3
	5.1 FCC Part 15 Statement	3
	5.2 ISED Statement.....	4
6	RF Exposure Information	4
7	RF Exposure for Portables Host Product Manuals	5
	7.1 RF Exposure Statement (SAR) for any host device containing LPT900	5
8	Label and Compliance Information.....	6
9	Information on Test Modes and Additional Testing Requirements	6
10	Additional Testing, Part 15 Subpart B disclaimer	6
11	Revision History	7

1 1 Introduction

The LPT900 transmitter module is not sold separately as a standalone device. It is intended to be used as part of a complete Cooper Industries (Electrical) Inc remote control device and in the user manual for any device containing the module will be included the text from the following paragraph.

This manual is for the use of professionals to guide them in the installation, operation and basic system maintenance of the equipment covered.

The LPT900 radio module has been certified for the FCC and ISSED supporting portable configurations. Only one antenna is supported in portable applications. It was measured and it has – 2.03 dBi Gain.

The LPT900A PCB rev.10 radio module has the FCC ID: IA9LPT900A and the ISSED certification number: 1338B-LPT900A.

2 List of Applicable FCC and ISSED Rules

The following FCC rules are applicable to the transmitter: FCC Title 47 CFR Subpart C Part 15.203, Part 15.247, Part 15.205(a), Part 15.209(a) & 15.247(d) and 15.33(a)(1).

The following ISSED rules are applicable to the transmitter: RSS-Gen Issue 5 Section 7.1.2, RSS-247 Issue 4 (5.1) (a), (b) and (c), RSS-Gen Issue 5 (8.9), (8.10).

3 Specific Operational Use Conditions

The radio module may be used only with the antenna that was certified with the module. Using a different antenna is possible only if a Class II Permissible Change is approved.

4 Limited Module Procedure

There aren't limiting conditions on the module that require a host device to remedy. The radio module meets all the eight requirements in FCC Part 15.212(a)(1) for modular approval.

5 FCC and ISSED Regulatory Statements

The host products that integrate the radio module will include the following statements in their user manual.

5.1 FCC Part 15 Statement

In accordance with FCC rule 15.21 and requirements 15.19(a)(5), the following statement shall be included in the user manual.

FCC Part 15

This device complies with FCC Rules Part 15 operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications to this device, not expressly approved by Cooper Industries (Electrical) Inc. could void the user's authority to operate the equipment.

5.2 FCC Part 15 Statement

In accordance with FCC rule 15.105 and requirements 15.105(a), the following statement shall be included in the user manual.

This equipment has been tested and found to comply with the limits for a [Class A digital device](#), pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against [harmful interference](#) when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate [radio frequency energy](#) and, if not installed and used in accordance with the instruction manual, may cause [harmful interference](#) to radio communications. [Operation](#) of this equipment in a residential area is likely to cause [harmful interference](#) in which case the user will be required to correct the interference at his own expense.

5.3 ISED Statement

In accordance with the requirement of RSS-GEN 8.4, the following statement shall be included in the user manual.

This device complies licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). 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.**

This device complies with the Canadian ICES-003 Class B specifications. CAN ICES-003(B) / NMB-003 (B).

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempt de licence. L'exploitation est autorisée aux deux conditions suivantes:

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

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

6 RF Exposure Information

READ THIS INFORMATION BEFORE INSTALLING THE XPD2400

This product is intended for portable installation applications.

The communication protocol used in our radios limits the maximum duty cycle at 76%.

For portable applications LPT900 module is certified using Cooper Industries (Electrical) Inc. proprietary antenna ACAB-2804-03.

In accordance with FCC regulations (KBD 447498 v06) routine SAR testing is excluded because the time-averaged power transmitted is less than the threshold power at 5 mm. See the RF exposure report.

Routine SAR testing is excluded in accordance with ISED (RSS-102, issue 6, part 6.3) regulations because the time-averaged power transmitted is less than the threshold power at 5 mm. See the RF exposure report.

7 RF Exposure for Portables Host Product Manuals

LPT900 module was certified with antenna ACAB-2804-0, suitable for portable applications.

7.1 RF Exposure Statement (SAR) for any host device containing LPT900

SAFETY: Limiting Exposure to Electromagnetic Radiation

All actively transmitting radio devices emit some form of electromagnetic radiation. Although prolonged low-level exposure has not been shown to be harmful, the operator must fully understand the risk of using an active device. The maximum radiated output power of this antenna satisfies the specific absorption rate (SAR) limits as specified in §1.1310 of FCC regulations, and RSS-102 issue 6 (section 6.3) of ISED regulations.

ISED SAR statement

This equipment is compliant with SAR for general population/uncontrolled exposure limits in ISED RSS-102 and routine SAR testing is excluded in accordance with ISED (RSS-102, issue 6, part 6.3).

Le présent appareil est le respect de SAR pour la population générale / limites d'exposition incontrôlée de CNR-102 et les tests SAR de routine sont exclus conformément à l'ISED (RSS-102, numéro 6, partie 6.3).

FCC SAR Statement

This equipment that is intended to be operated close to the human body is tested for body-worn Specific Absorption Rate (SAR) compliance. The SAR limit set by the FCC is 1.6 W/kg when averaged over 1 g of tissue. Routine SAR testing is excluded because the time-averaged power emitted is less than the threshold power at 5mm.

8 Label and Compliance Information

When the module's FCC and ISED identification number is not visible when the module is installed inside a host product, then the host product must display a label referring to the enclosed module.

FCC Label

In accordance with 15.212(a)(1)(vi)(A) and KDB 784748 D01 A.6 the host product shall use a physical label stating:

"Contains Transmitter Module FCC ID: IA9LPT900A"

or,

"Contains FCC ID: IA9LPT900A".

ISED Label

In accordance with RSS-GEN 4.3 the host product shall use a physical label stating:

"Contains IC: 1338B-LPT900A"

9 Information on Test Modes and Additional Testing Requirements

The host product must be tested with the radio module. The radio module should be installed in the host product and transmitting RF signal to confirm no emissions exceed the highest limit permitted by the rules.

When testing for unintentional radiator of the host product, the transmitter shall be placed in the receive or idle mode. If that isn't possible the radio should be passive (preferred) and/or active scanning, and thus not turned off. In addition, the host product should be setup to ensure there is activity on the communications BUS of the product (e.g. USB, CAN bus, GPIO) to ensure unintentional radiator circuitry is enabled.

The product may operate in normal mode when the radio needs to be in a transmit mode. When the radio is turned on and attempting to pair it will continue to transmit. This mode may be used for testing that requires the module to be transmitting.

10 Additional Testing, Part 15 Subpart B disclaimer

The modular transmitter is only FCC authorized for the specific rules in the grant. The host product must still comply to any other FCC rules not covered by the modular transmitter grant of certification. If the host product is already Part 15 Subpart B compliant without the module, the host product will still require Part 15 Subpart B compliance testing with the modular transmitter installed.

11 Revision History

Revision	Author	Date	Description
D0.1	Radu Oprea	2025-12-06	Create document.
D0.2	Radu Oprea	2025-12-16	Amended document based on TCB feedback