



November 15, 2023

## LOCOMOTIVE SPEED SENSOR OPERATORS' MANUAL

Progress Rail Locomotive, Inc. (PRL) does not issue an operators' manual for the locomotive Speed Sensor assembly (PRL part number 40256201). The speed sensor is an integral part of the locomotive control system. The customer does not have control of its functions.

Engineering Apparatus Instruction # 2458 describes how the assembly is to be mounted on the locomotive. This is used internally for designing the application on various locomotive models. Also, the customer uses this document for repair if the mounting is damaged. If the speed sensor is inoperative or fails the internal test, it is returned to PRL for factory repair, no information is supplied to the customer for repairing the speed sensor.

### **1) FCC Interference Statement (Part 15.105 (b))**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacture's installation, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to contact Progress Rail Locomotive, Inc. (PRL) for assistance.

### **2) FCC Part 15 Clause 15.21**

"Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment."

**3) FCC Part 15 Clause 15.19(a)**

"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."

**4) ISED RSS-Gen Notice:**

"This device contains 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: This device may not cause interference. This device must accept any interference, including interference that may cause undesired operation of the device."

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"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 exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

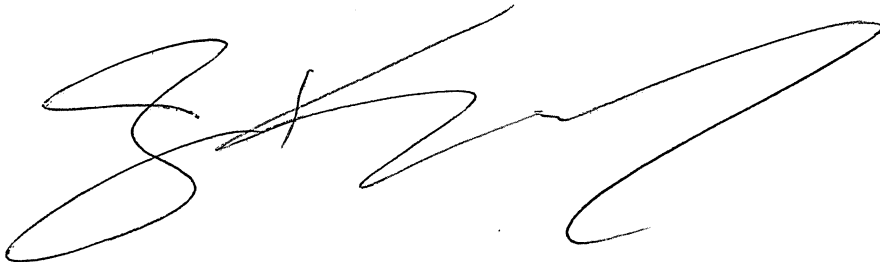
L'appareil ne doit pas produire de brouillage;

L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

**5) ISED Canada ICES-003 Compliance Label:**

"CAN ICES-3 (B)/NMB-3(B)"

Brian Koldoff  
Senior Project Engineer

A handwritten signature in black ink, appearing to be 'BK', written over a horizontal line.