



July 2, 2015

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Subject: External Photos for FCC ID: 2AE6484A237140

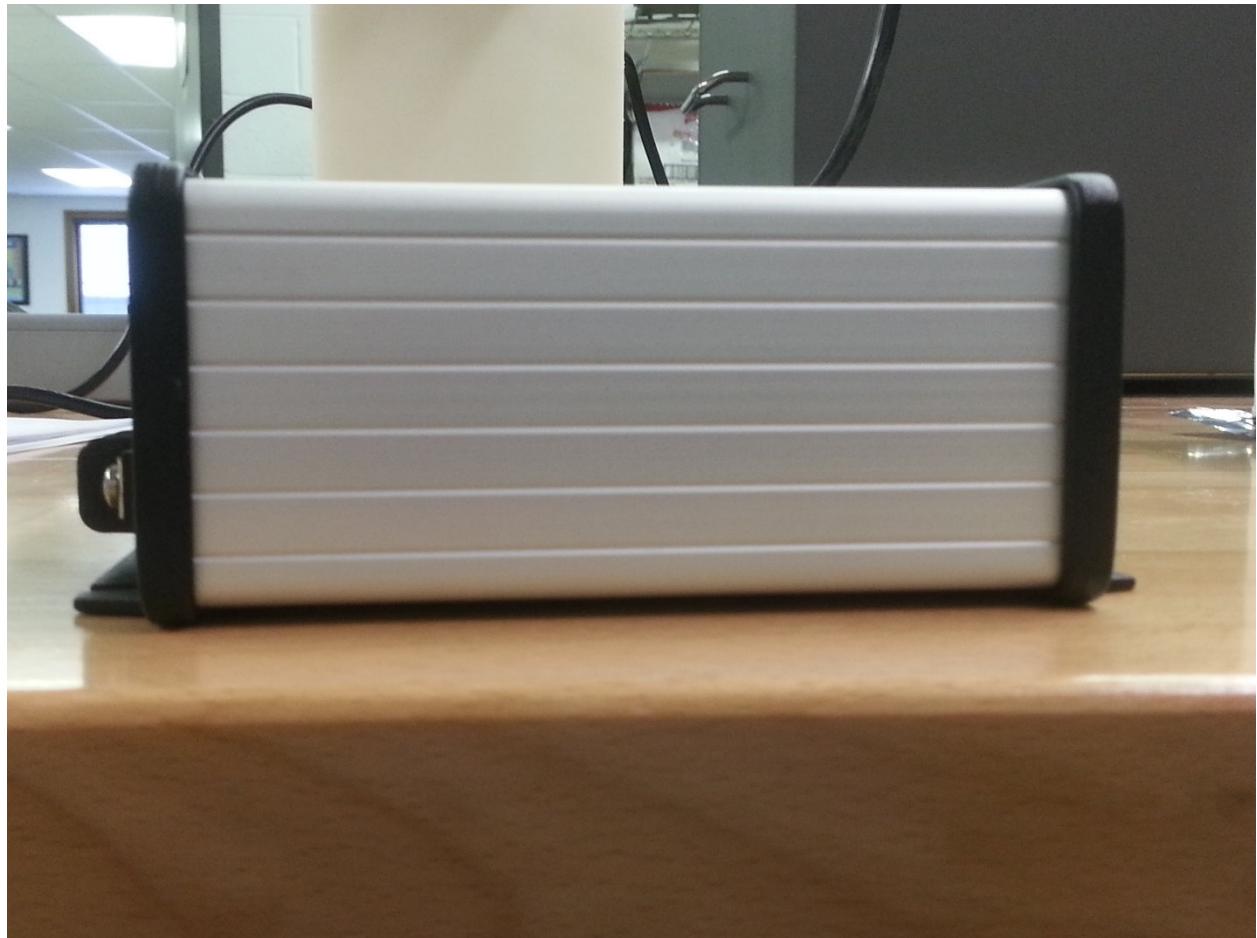


Image 1: Casing – Left View

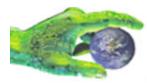


Image 2: Casing, Back View

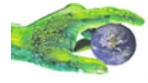


Image 3: Casing – Front View

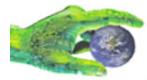


Image 4: Casing – Top View



Image 5: Casing – Bottom View

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Functional Description of the Sensor/Gateway pair: The sensor takes capacitance, temperature, accelerometer, etc. data readings periodically and communicates them to the gateway if it is in range. An operator can also get in close proximity to the sensor and trigger readings from it with a handheld RFID unit. The units are designed to go on locomotives. RFID in the sensor is passive. The Gateway collects, organizes, and transmits relevant data to monitor and control systems within the cabin of the locomotive.

Sincerely,



Brian T. Hemmelman
Principal Engineer, DarCEO Inc.