

January 10, 2024

Nemko North America, Inc.
 303 River Road, Ottawa, ON K1V 1H2 Canada
 Attn: Director of Certification

FCC ID: 2A220-JDRFAWS
 ISED certification number: **IC: 24973-JDRFAWS**
 HVINs/Models: JDRF-AWS-01, JDRF-AWS-02

Family Certification request letter

We hereby request Family Certification for the above mentioned HVINs/Models based on them being electrically, and physically identical apart from model name/number.

The two models mentioned above operate as an autonomous wall switch with the main difference of the voltage rating on the designs. The JDRF-AWS-01 operates at voltages between 120–277 V_{AC} while the JDRF-AWS-02 operates at voltages between 120–347 V_{AC}. This rating difference results in the following documented details in the table below:

Electrical	Antenna	Enclosure	Software
The High voltage PCBA on JDRF-AWS-01 integrates a 277 V _{AC} AC-DC transformer to 12 V _{DC} supply, while the High voltage PCBA on JDRF-AWS-02 integrates a 347 V _{AC} AC-DC transformer to 24 V _{DC} supply	Same antenna used on both models. In fact, the same low voltage board, integrating the radio and other components is identical	The JDRF-AWS-02 has a larger back enclosure to accommodate the larger transformer in the HVB. Everything else is identical, including the customer facing enclosure. Material used on both designs is identical	Both devices will run the same embedded software on the main controller as well as the radio

Sincerely,

Signed by: 

Signature

Elias Boukhers

Print name

CTO

Title

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Phone