



12/10/2010
Nemko Canada Inc
303 River Road
Ottawa, Ontario, Canada
K1V 1H2

FCC ID: YST-NX13
FCC Model Numbers: EX10AC, EX10

IC: 9299A-NX13
IC Model Numbers: EX10AC CAN, EX10 CAN

Model Differences

There are 4 versions of the wireless smoke alarm manufactured by Exigent Sensors:

EX10AC:	AC with battery backup, USA
EX10AC CAN:	AC with battery backup, Canada

EX10:	Battery only, USA
EX10 CAN:	Battery only, Canada

The battery-only models are simply de-populated versions of the AC with battery backup models. All testing was performed on the AC with battery backup model. The Canadian models have identical hardware and software to the USA models, but have different labels.

All models are compatible with each other, and look and operate nearly identically. The AC with battery backup version contains an AC-DC switching power supply to convert AC power to low voltage DC power, and only uses battery power in the event of an AC power failure. The AC with battery backup version has all the same circuitry as the battery only version, plus additional components for the AC to DC conversion on the daughter board located in the bottom half of the alarm. All other electrical functions including wireless communication are identical for both versions. Therefore, we consider the AC with battery backup version to be the worst case version and only perform FCC and IC compliance testing on the AC with battery backup units.

Sincerely,

Chad Christensen
Electrical Engineer
Exigent Sensors