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EXIGENT
SENSORS

07/22/2013
Nemko Canada Inc
303 River Road
Ottawa, Ontario, Canada
K1V 1H2

FCC ID: YST-NX14, Model Numbers: EX20 SMK, EX20-AC SMK, EX20 HT

FCC ID: YST-NX15, Model Numbers: EX20 CO

IC: 9299A-NX14, Model Numbers: EX20C SMK, EX20C-AC SMK

IC: 9299A-NX15, Model Numbers: EX20C CO

Model Differences

There are 7 versions of the wireless alarms manufactured by Exigent Sensors:

1. EX20 SMK   Smoke/Heat Alarm, Battery only, USA
2. EX20C SMK   Smoke/Heat Alarm, Battery only, Canada
3. EX20-AC SMK   Smoke/Heat Alarm, AC with battery backup, USA
4. EX20C-AC SMK   Smoke/Heat Alarm, AC with battery backup, Canada
5. EX20 CO   Carbon Monoxide/Heat Alarm, Battery only, USA
6. EX20C-CO   Carbon Monoxide/Heat Alarm, Battery only, Canada
7. EX20 HT   Heat Alarm, Battery only, USA

All models use the same oscillator, microcontroller, radio, antenna, and basic layout. Each of the Canadian models have identical hardware and software to the USA models, but have different labels. The battery-only models of the smoke alarms are simply de-populated versions of the AC with battery backup models. The carbon monoxide/heat alarms are nearly identical to the smoke/heat alarms, except that the smoke sensor is replaced with a carbon monoxide sensor. The heat alarm is a de-populated version of the smoke/heat alarm.

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 versions have all the same circuitry as the battery only versions, 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.

Sincerely,

Chad Christensen
Electrical Engineer
Exigent Sensors