

## RESOLUTION NO. 37-13

BY: **SCOTT TUMA**

A RESOLUTION URGING THE OHIO BOARD OF BUILDING STANDARDS TO CONSIDER AMENDING THE OHIO BUILDING CODE AND RESIDENTIAL CODE OF OHIO TO REQUIRE BOTH PHOTOELECTRIC AND IONIZATION SMOKE/FIRE DETECTORS IN SLEEPING ROOMS, AND DECLARING AN EMERGENCY

WHEREAS, an Ionization smoke alarm uses a small amount of radioactive material to ionize air in the sensing chamber. As a result, the air chamber becomes conductive permitting current to flow between two charged electrodes. When products of combustion enter the chamber, the conductivity of the chamber air decreases. When this reduction in conductivity is reduced to a predetermined level, the alarm is set off. Most smoke alarms in use are of this type; and,

WHEREAS, a Photoelectric type smoke alarm consists of a light emitting diode and a light sensitive sensor in the sensing chamber. The presence of suspended products of combustion in the chamber scatters the light beam. This scattered light is detected and sets off the alarm; and,

WHEREAS, the two types operate on different principles and therefore may respond differently to various conditions; and,

WHEREAS, Ionization models are best suited for rooms that contain highly combustible materials that can create flaming fires. These types of materials include flammable liquids, newspapers, and paint cleaning solutions. Photoelectric models are best suited for living rooms, bedrooms and kitchens. This is because these rooms often contain large pieces of furniture, such as sofas, chairs, mattresses, counter tops, etc. which will burn slowly and create more smouldering smoke than flames;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PARMA, STATE OF OHIO:

Section 1. That this Council hereby urges the Ohio Board of Building Standards to consider amending the Ohio Building Code and Residential Code to require both Photoelectric and Ionization smoke/fire detectors in sleeping rooms.

Section 2. That the Clerk of Council is hereby directed to forward a true and accurate copy of this Resolution to the Ohio Board of Building Standards.

Section 3. That it is found and determined that all formal actions of this Council concerning and relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements.

Pg. 2 of L-37-13      Res. urging the Ohio Board of Building Standards to consider amending the Ohio Building Code and Residential Code of Ohio to Require both Photoelectric and Ionization Detectors in sleeping rooms, and declaring an emergency

Section 4. That this Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare of the City of Parma, and for the further reason that this measure is necessary in order for the Ohio Board of Building Standards to begin the discussions of this amendment in the near future, and this Resolution shall become immediately effective upon receiving the affirmative vote of two-thirds of all members elected to Council and approval of the Mayor, otherwise from and after the earliest period allowed by law.

PASSED: \_\_\_\_\_  
PRESIDENT OF COUNCIL

ATTEST: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
CLERK OF COUNCIL

FILED WITH  
THE MAYOR: \_\_\_\_\_  
MAYOR, CITY OF PARMA, OHIO