

Everything You
Need To Know About

CID2 CERTIFICATION



CLASS I DIVISION 2



HAZARDOUS AREA AHEAD

Hazardous locations are areas where potential hazards (e.g., fires, explosions, etc.) may exist under normal or abnormal conditions because of the presence of flammable gases or vapors, flammable liquids, combustible dusts or ignitable fibers.

According to the NEC (National Electrical Code), there are three types of hazardous locations categorized by Class I (gases, vapors, and liquids), Class II (dusts), and Class III (fibers and flyings).



Class I
Gases, Vapors
& Liquids



Class II
Dusts &
Particulates



Class III
Fibers & Flying
Objects



A Class I Hazardous Location is one in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable.

Examples Include:



Gas Dispensaries



Dry Cleaning Plants



Spray Finishing



Aircraft Hangars



Petroleum & Gas
Processing Plants



Chemical and Gas
Handling Areas

CID2

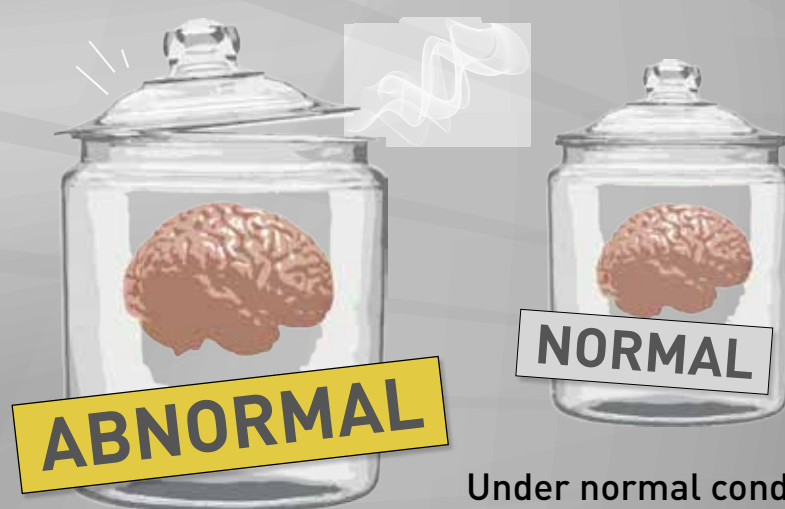


Test labs conduct actual explosion tests on all electronic equipment rated to CID2 standards. Hazardous location equipment is designed and constructed to eliminate the potential for ignition of the atmosphere.



CID2 further specifies two divisions that hazardous material may exist in which, for simplicity, can be described as, first, normal conditions, and, second, **abnormal** conditions.

Division 2 is classified as when hazardous material not normally present in an explosive concentration may accidentally exist through rupture, breakage or unusual faulty operation.



Under normal conditions the explosive hazard is expected to be present in everyday situations.