

Underwriters Laboratories Standard 325

UL 325 details safety requirements for overhead doors in a methodical, logical manner. Although UL 325 is a voluntary regulation, section 1910.399 of the United States Code of Federal Regulations calls for overhead doors to meet all applicable safety standards. UL 325 is one such applicable safety standard.

Classes of Door or Gate Operators

Class I	Residential vehicular access gate operator for single-family residences
Class II	Commercial vehicular access gate operator used for general public access or multi-family housing – parking lot, gated community, etc.
Class II	Industrial vehicular access gate operator used in industrial settings and is not intended for use by the general public – warehouse, factory, etc.
Class IV	Restricted access vehicular gate operator used in guarded industrial settings that is not intended for general public use and where unauthorized access is prevented using supervision by security personnel – prison, airport security area, courthouse

Entrapment Protection Requirements

Entrapment protection differs based on the class that the door operator falls into. All classes are required to have primary and secondary entrapment protection provisions that cannot be satisfied using the same device or system. Each class has its own requirements for primary and secondary entrapment protection.

Class	Primary Entrapment Protection	Secondary Entrapment Protection
I & II	Inherent entrapment system	Non-contact sensor, contact sensor, or continuous pressure actuating device
III	Inherent entrapment system, contact sensor, or non-contact sensor	Inherent entrapment system, non-contact sensor, contact sensor, or continuous pressure activating device
IV	Inherent entrapment protection, non-contact sensor, contact sensor, continuous pressure actuating device	Inherent entrapment system, non-contact sensor, contact sensor, continuous pressure actuation device

Requirements for Horizontal Slide, Vertical Lift, or Vertical Pivot Gate Operators based on UL 325