

FORMULA SYSTEMS VISION PLUS

FREQUENTLY ASKED QUESTIONS



SUMMARY

The Vision Plus elevator door safety solution combines 2D and 3D technology in each edge to deliver highly intelligent door safety technology.

The Vision Plus total package comprises of a 2D/3D receiver, transmitter, optional universal interface power supply and comes as standard with universal mounting options. The simplicity of combined technology in fewer parts can have a significant impact on ease of installation and overall cost.

PRODUCT FEATURES



CERTIFIED TO ASME A17.1-2022/B44-22

FREQUENTLY ASKED QUESTIONS

QUESTION	ANSWER
Why was the Vision Plus product developed?	The Vision Plus elevator safety system was developed to satisfy the elevator safety code ASME A17.1 2019 and has since been updated to meet the newer A17.1-2022 code.
How is Vision Plus different from competitor products?	Vision Plus edges combine both 3D and 2D detection capabilities, as required by the new ASME code.
What is the difference between Vision Plus and Vision products?	The ASME 2019 and 2022 codes require door protection devices to have specific additional capabilities, including; clearly defined detect/non-detect zones, a self test function and reduced false activation capabilities.
What are the advantages of the Vision Plus when compared to competitors?	-2D & 3D technology in fewer parts With Vision Plus both the 2D and 3D detection systems are housed in each edge, whereas competitor products house 2D detection in the edges and then require an additional transom mounted 3D detection unit. -Reduced installation time Having to separately mount a 3D detector adds to installation time and complexity. -Ease of setup Competitor products require calibration after fitting, whereas the Vision Plus solution is plug and play, simply install the edges and connect to power. The fitting process is identical to that of fitting standard edges, which are quick and simple to install.
Does the Vision Plus require a dedicated power supply?	No, the product can be connected directly or via a Universal Power Supply that can be purchased from Formula Systems.



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Why does the Vision Plus not have a separate 3D detection unit?	The Vision Plus utilizes retro-reflective technology combined with patented embedded software to eliminate the need for additional hardware.
What testing is carried out by Formula Systems to ensure ASME A17 code compliance?	A full suite of performance is carried out by Formula Systems known as the manufacturers test, this consists of a variety of performance testing including; speed of approach, object size, object colour, angles of approach, self test, nuisance testing and reset times. Vision Plus was submitted to the Liftinstituut to seek ASME A17.1-2022 / CSA B44-22 certification which was granted in October 2023.
What tests are required to be performed by the engineer after fitting the Vision Plus?	Simply perform the ASME A17 recommended user test as detailed in the instructions supplied, this is a quick and simple test to validate the edge performance.
What other manufacturers offer an ASME A17 code compliant product?	Cedes and Memco.

VISION PLUS TRAINING & TECHNICAL EXPERTISE

The Vision Plus elevator door safety solution was designed by our in-house engineers based in our Research & Development facility in Oxford, United Kingdom.

Each product is shipped with a step-by-step instruction manual and all components necessary for installation (excluding the Universal Power Supply, unless ordered).

Our team will be happy to provide additional resources or product training and are always on hand to answer any technical questions you may have.



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