

Application note



Subject:
Automatic Teach for Effortless Setup

Industry:
Access Controls

Product:
LEYON-Safe-E

Customer:
OEMs

CUSTOMER NEED

Industrial door operators need safety sensors that can be reliably configured to define the safety area and activation zones.

Traditional systems often require manual alignment, visible markers, or laser beams, and can be disrupted by environmental conditions such as sun glare, rain, snow, fog, vibrations, or improper mounting.

This makes setup time-consuming, error-prone, and sometimes necessitates repeated mechanical adjustments.

OUR SOLUTION

LEYON-Safe-E simplifies sensor configuration with an Automatic Teach function.

Once installed, the sensor uses a wide field of view and an intuitive web app—accessible from any mobile device—to automatically learn the environment.

The smart Automatic Teach function requires only a single door cycle to define the safety area, eliminating the need for external tools, manual adjustments, or repeated setup steps.

BENEFITS

- **Effortless configuration:** Automatic Teach function sets up the safety area in a single door cycle
- **Reduced setup errors:** Minimizes issues caused by environmental conditions or misalignment
- **No mechanical adjustments required:** Wide field of view allows any further adjustments needed just via web app
- **Mobile accessibility:** Configure and monitor easily via web app from any device
- **Time-saving installation:** Reduces commissioning time and installer effort
- **Reliable operation:** Most of the time ensures the sensor correctly defines safety zones on first attempt