
Detroit Hoist Lidar Travel Limit System



System Specifications

- (2) IP65 40m range Lidar sensors (1 sensor for each direction).
- 2 programmable trip points for each direction (limit speed and stop).
- Can be used as anti-collision and travel limits.
- Wirelessly program the trip points from any mobile device (no application required).
- (4) N.O relays rated for 250VAC @ 5A / 30VDC @ 5A, with green LED indicators.
- Sensor bypass mode.
- 2.0" module display.
- +/- 1% (5m-40m) | +/- 5cm (0.1m – 5m) based on 90% reflectivity surface (matte white object).
- (2) 12x14" spot plates provided.
- Ambient light immunity 100Klux.
- 40 meters of sensing range (spot size dependent).
- 50 distance readings per second.
- Standalone wireless access point with self-hosted web app (no internet or network required).
- Wireless access point toggle switch used to disable / enable the wireless system.
- 12-24VDC input power supply.
- Modbus RS485 communication protocol between sensor and controller to provide highly robust, standard industrial communication protocol designed for harsh environments, offering noise immunity through differential signaling and supporting long distances up to 1200 meters.