

# ADMIRAL

## Type 4 Safety light curtains providing:

- Easy connection and installation thanks to the M12 connectors and the use of unshielded cables up to 100 m.
- Built-in main safety functions.
- 2 safety PNP static outputs.
- Master/Slave Models for cascade connection of two light curtains.
- Models with Floating Blanking.
- Models with 2, 3 and 4 beams Long Range, max 60 meters.
- IP 65 protection rate.
- Operating temperature range: 0 to 55 °C.
- Cross section 35 x 45 mm.

Admiral light curtains may be connected to the dedicated safety interfaces series AD SR, or directly to contactors actuated and controlled by the light curtain, or to MOSAIC, or to suitable commercial safety modules or safety PLCs.

Special models complying with “Directive ATEX” 94/9/EC - Dust Zone 22 – Gas Zone 2 available on request.

Special versions with IP 67 watertight enclosure (WT and WTH)



## THE ADMIRAL RANGE

### ADMIRAL AD

- Protected height range 160 to 1810 mm
- 7 types of detection:
  - Resolution 14 mm for finger detection
  - Resolution 20 - 30 - 40 mm for hand detection
  - Resolution 50 - 90 mm for detection of the body in a dangerous area
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 18 m (5 m for 14 mm resolution)
- M12, 5-pole connectors
- Automatic Start/Restart.

The ideal light curtain for straightforward interfacing with safety modules or safety PLCs.

### ADMIRAL AX

- Protected height range 160 to 1810 mm
- 7 types of detection
  - Resolution 14 mm for finger detection
  - Resolution 20 - 30 - 40 mm for hand detection
  - Resolution 50 - 90 mm for detection of the body in a dangerous area
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 18 m (5 m for 14 mm resolution)
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relay monitoring (EDM)
- Master and Slave models for series connection of two light curtains regardless of height or resolution.

Safety level:

**TYPE 4**

**SIL 3 – SILCL 3  
PL e – Cat. 4**



An effective light curtain for directly controlling and monitoring machine circuits with no need of external safety modules.

Master/Slave models are also ideal for series connection of two light curtains and combined detection of hand and body or the protection of two different sides of a machine.

## ADMIRAL

**ADMIRAL AX LR Long Range**

- 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 60 m
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relay monitoring (EDM).

Ideal light grid for large size protection applications, also on several sides using deflection mirrors.

**ADMIRAL AX LR DB [NEW PRODUCT]**

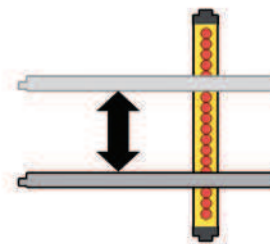
This special version of the Admiral Long Range features an innovative Dual Beam System useful in outdoor applications or in harsh environments for decreasing the sensitivity of the light curtain to small objects that could interrupt the light link, i.e. birds or leaves but also heavy rain or snow.

Available models with 2 - 3 beams for detection of the body in access monitoring, max. range 60 m.

Available with heated IP 67 WTH case for outdoor use.

**ADMIRAL AX BK**

- Protected height range 160 to 1810 mm.
- 4 types of detection:
  - Resolution 14 mm for finger detection
  - Resolution 20 - 40 mm for hand detection
  - Resolution 90 mm for detection of the body in a dangerous area
- Max range 18 m (5 m for 14 mm resolution)
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Automatic Start/Restart
- Integrated Floating Blanking, 5 selectable configurations
- Master and Slave models for series connection of two light curtains regardless of height or resolution.



Admiral AX BK light curtains are equipped with Floating Blanking function, allowing object to move freely in guarded field, provided that the obstructed beams are adjacent and their number does not exceed that envisaged by design configuration.

Ideal light curtain for protection of press brakes, automated machines and robotized areas, where processing involves cross-over of light curtain-guarded space by material being processed or by machine moving parts.

Blanking models with 14 and 20 mm resolution are also available with Master/Slave function (on Master models only) as a protection system including two series-connected light curtains for combined detection of hand and body or the protection of two sides of a machine.