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## Shadow® 10 Light Curtain

The Shadow 10 is a light curtain built with the pressroom in mind. With seamless hardware, these rugged light curtains can resist the everyday pressroom grease and grime and simplify programming and day-to-day maintenance. This transition to the Shadow 10 light curtain allows Wintriss to take better control of the Shadow line; we can offer the support, fast repairs, flexibility, and safety features that our customers need.

## Improved from the Shadow® 9

- **Connect up to 4 sets of heads to one control box/WPC APEX:** Protect your entire press with one light curtain system.
  - All heads are uniquely programmed and managed. This allows for easy troubleshooting and fault diagnosis.
- **Advanced Blanking Features:** Two additional floating beams
  - **Blanking Tolerance:** Allows a blanked object (conveyor, chute, etc.) to move within set tolerance boundary of up to +3/-1 beams.
- **Protection Heights:** 12", 17", 23", 29", 35", **NEW 41"**, and **NEW 53"**
- **Highly Adjustable Brackets:** Easy to install and reorient, up to 360°.
- **22mm Hand Protection:** Improved safety distance allows you to put the light curtain closer to the work area. Safety resolution is increased from Shadow 9's 30mm.

## New Shadow® 10 Features

- **Individual Beam Indicators:** A feature missed in the Shadow 9 and returning from the Shadow 8, the Shadow 10 will have red LEDs to indicate which beams are blocked and aid in alignment.
- **7 Segment Display with Diagnostic Code Read-out:** Shadow 10 receiver displays a fault code when a light curtain triggers lock-out, allowing you to easily identify the lock-out reason and affected light curtain.
- **In-House Service:** The Shadow 10 maintains the 2-year warranty of the Shadow heads and control box with standard turnaround repairs.
  - All Shadow 10's will be serviced in-house.
- **Simplified Programming:** The tiny, finicky dipswitches and endcap flip door have been removed from this iteration of Shadow light curtains.
- **NEW Floating Mode:** When programmed to, allows small objects to move within the sensing field without triggering lock-out.
- Individual heads can be repaired and are available as replacement parts.



Shadow 10 - Control Box and Heads

## Shadow<sup>®</sup> 10 Control Box Options

Up to 4 sets of Shadow 10 Light curtains can be connected to the Shadow 10 Control Box or the WPC APEX.

- **Support for Four Sets of heads:** Shadow 10 once again supports up to four sets of heads.
- **Independent Head Wiring:** Shadow 10 utilizes independent head wiring making it possible to apply settings and blanking windows only where they are needed.
- **Parallel Logic with Shared Outputs:** While the heads are wired independently to the safety controller, the system logic maintains a parallel fail-safe behavior, meaning that any obstruction in any beam will trigger a stop. All heads ultimately tie into one or two shared OSSD outputs that signal the press control.
- WPC 2000 can connect to 2 sets of heads and requires Shadow 10 Control Box to connect to more.



Shadow 10 Control Box and WPC APEX can connect natively to 4 sets of Shadow 10 Light Curtains

## Shadow<sup>®</sup> 10 - 7 Segment Display

**Individual Beam Indicators**  
Red LEDs to indicate which beams are blocked

**7 Segment Display**  
Displays fault code when light curtain lock-out is triggered.



Shadow<sup>®</sup>10 LED Indicators and 7 Segment Display

### 3 Bright LED Indicators

- Red or Green for Status.
- Blue solid indicates active blanking mode.
- Blue flashing indicates muting.
- Yellow Solid indicates lock-out condition.
- Yellow Flashing indicates interlock condition is engaged.