



Light Curtain Problems

PROBLEM: Turntable will not turn because of light curtain

The 50X stackers have integrated light curtains on the bundle outfeed exits. This light curtain is designed to inhibit the turntable from turning if the light is broken. When the light is broken the drum brake is activated. The turn cylinder is not extended. The stacker will only stop/fault when the light curtain is broken during a turn.

The 35X and 40X controls are not as integrated as the 50X stacker. When the light curtain is broken the turn cylinder is released. This will cause the stacker to shutdown.

The most typical problem with the light curtain system is overtime the LED in the curtain loses some intensity. Cleaning the surface of the light curtain to remove dust may help. The light curtain face is covered with clear antistatic tape to reduce the tendency of dust to stick to the surface. This makes the alignment of the light curtain pair critical. This is a difficult and inexact adjustment. You will need to loosen the mounting screws to attempt to rotate and better align the two faces of the light curtain.

Light Curtain Transmitter / Receiver

Both the transmitter and receiver light curtains have indicators that show status of the unit.

Transmitter

- A yellow 'blinking' indicator on the transmitter column indicates the unit is powered-up and the electronic system is operational.

Receiver

- A yellow 'blinking' indicator on the receiver column indicates that communication is established between the transmitter and receiver.
- The green LED indicator on the receiver unit illuminates when the electronic output switches are 'ON' indicating the light curtain detection zone is clear of any obstruction.
- The red LED indicator on the receiver unit illuminates when the electronic output switches are 'OFF' indicating the light curtain detection zone is blocked.
- If the red LED is flashing the receiver is in lockout. To recover from lockout condition the stacker must be restarted.

Controller

- All LEDs should be on when the curtains are clear.
- If either curtain is blocked the LEDs on G1 or G2 will go off. Simultaneously, the outputs OUT1 and OUT2 will go off. If either of the G1 or G2 LEDs are off it indicates a blocked signal from the light curtain. If it is not blocked then it indicates a problem with the light curtain receiver.
- Red LEDs that are steady on indicate that the system is OK.
- Red LEDs that are flashing indicate that the system is in lockout condition. Power down and restart to clear lockout. If the lockout (flashing Red LEDs) then the light curtain controller should be replaced.

The Transmitter and Receiver are sold as a pair, QPN 100796

The Controller module is QPN 100795