EZ-SCREEN® LP Safety Light Screen Daily Checkout Procedure (Cascade)



Checkout Procedures

Daily Checkout Procedure

Banner Engineering highly recommends performing the System checkouts as described. However, a qualified person (or team) should evaluate these generic recommendations considering their specific application and determine the appropriate frequency of checkouts. This will generally be determined by a risk assessment, such as the one contained in ANSI B11.0. The result of the risk assessment will drive the frequency and content of the periodic checkout procedures and must be followed.

Daily checkout and checkouts after tooling and machine changes must be performed by a Designated Person (appointed and identified in writing by the employer). During continuous machine run periods, this checkout must be performed at regular intervals. A copy of the checkout results should be kept on or near the machine: see OSHA 1910.217(e)(1).



WARNING: Do Not Use Machine Until System Is Working Properly

If all of these checks cannot be verified, do not attempt to use the safety system that includes the Banner device and the guarded machine until the defect or problem has been corrected. Attempts to use the guarded machine under such conditions could result in serious injury or death.

Perform the daily checkout procedure at every power-up, shift change, and machine set up.				
	1	Verify that: Access to the guarded area is not possible from any area not protected by the EZ-SCREEN LP. Hard guarding or supplemental presence-sensing devices must be installed, wherever needed, to prevent any person from reaching over, under or around the defined area or entering into the hazard area. All supplemental guarding devices and hard guarding are in place and operating properly.		
	2	Verify that the minimum separation (safety) distance from the closest hazard point of the guarded machine to the defined area is not less than the distance calculated in the instruction manual and recorded here:		
	3	Verify that it is not possible for a person to stand inside the guarded (dangerous) area, undetected by the EZ-SCREEN LP or other supplemental guarding (as described in ANSI/RIA R15.06, or other appropriate standards).		
	4	Verify that: • The Reset switch (if used) is mounted outside the guarded area, out of reach of anyone inside the guarded area; and • The means of preventing inadvertent use (e.g., rings or guards) is in place. If cascadeable models are used individually (standalone), follow the Daily Checkout procedure on p/n 140045.		
	5	After all Zone indicators are green, test the effectiveness of the EZ-SCREEN LP with the power on, using the trip test. Select the appropriate piece: 14 mm Models: 5TP-13 25 mm Models: STP-16	Red Res Enabled STP-17 STP-18	
	5a	Trip Test (Cascaded Systems): With the power on, verify that the EZ-SCREEN LP is in Run mode; receiver #1 status indicators should be as follows: Status indicator: Green or flashing green All Zone indicators: Green Reset indicator: Amber Diagnostic Display: "" (Trip Output mode) or "L" (Latch Output mode) A manual reset may be required in Latch Output mode.		
	5b	 With the guarded machine at rest, pass the test piece downward through the defined area of emitter/receiver pair #1 in three paths: near the receiver, near the emitter, and midway between them. If the emitter and receiver are far apart, a second person may be needed to monitor the indicators while the test piece is used near the emitter or in the midway position. If corner mirrors are used in the application, the beams must be tested in three places on each leg of the beam path (between the emitter and mirror, and also between the mirror and receiver). 		
	5c	With the guarded machine still at rest, pass the test piece downward through the defined area of emitter/receiver pair #2 in three paths as described in 5b. Repeat for each emitter/receiver pair in the cascade.		



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