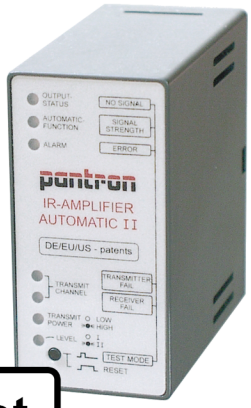
Quick Guide - Setting up and using the ISG A124 series amplifier

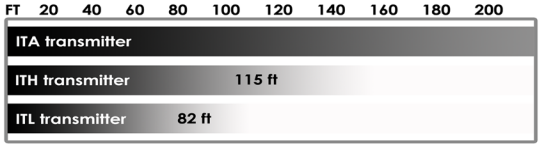


Step 1: Install the photoelectric socket

Select the appropriate photoelectric sensors for the application and connect them to the 11-pin socket. Verify that the supply voltage* matches the rating on the amplifier (silver sticker on back) Connect output wires to the relay or transistor terminals (depending on the model) and connect the supply voltage to the socket using the wiring diagram printed on the side of the amplifier.

*24VDC, 24VAC, 115VAC, 230VAC

3 transmit power levels available



IR-M12-15M receiver

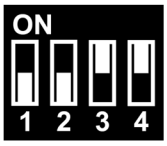
Step 2: Set the amplifier's DIP switches

Position the switches in the correct configuration for the application.

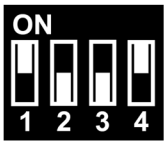
Recommended settings by application:

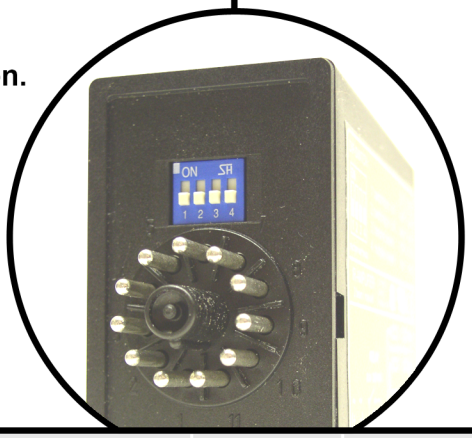
Car Wash (most applications)
Lumber Mill (most applications)
Amusement parks (most applications)
Packaging (clear wrappers)

Food processing (most applications)
Pharmaceutical (most applications)
Packaging (counting small parts)
Textile machinery (edge guiding)



Automatic doors (detection with fail-safe)
Elevator Industry (detection with fail-safe)





Basic transmit level			Switching mode		Transmit freq.	
high 2	ON	ON	dark	ON	4.1 kHz	ON
high 1	ON	OFF				
low 2	OFF	ON	light	OFF	3.7 kHz	OFF
low 1	OFF	OFF				

Step 3: Fine-tune the system

Align the photoelectric sensors using a piece of string or wire as a guide. Press the test/reset button briefly and count the number of times the "Automatic Function" indicator blinks to determine the signal strength. A low count (1-3) means the sensors need better alignment. A high count (7-10) is good.

For Technical Support, call 1-800-211-9468 or visit www.pantron.com