

Summary	Field Installation of Warning LED lights to front and rear side columns.				
Products Affected	All Rytec Doors				
Key Word Tags	LED, Retro, Installation				
Tools/Equipment (If Required)					
Parts/Materials (If Required)	KIT,RETROFIT,1 LED,PATHWATCH R1210229-0A KIT,RETROFIT,2 LED,PATHWATCH R1210229-0B KIT,RETROFIT,4 LED,PATHWATCH R1210229-0C				
Related Media					
Author	Randy Meyer, RevA M. Burzlaff	Issue Date	3/10/2010	Status	Active

Please Read The Entire Bulletin Before Proceeding

The Rytec Corporation has implemented a design change for all roll doors. Always concerned with the safety of our products Rytec has provided high intensity LED light strips which can be mounted to any door.

The high intensity LED light strips should be mounted on each side column front and rear. Some models will have just one LED strip on each side column. (See Figure 1).

Turbo Seal Insulated



Plexline Door



Figure 1

The retro-fit LED lights will come installed on a thin grey plastic track. (See Figure 2).



Figure 2

To install the retro-fit LED lights you may find a pre-drilled hole in the side columns. If the side columns DO NOT have the pre-drilled holes, drill a small hole 36" from the floor on the front to allow the wires to pass through the sheet metal and a another small hole in the rear of the side column at 72" from the floor. The Turbo Seal Insulated doors will have the holes off set. Front hole is located closer to the floor than the rear. Hence, the front set will have the wires enter the hole and the rest of the strip going up towards the head of the door. The rear LED light strip the wires will enter the hole and the rest of the strip will mount pointing down towards the floor.

Hold the LED lights in the proper position and mark the holes for drilling. Drill a 3/32" pilot hole for the screws provided. After drilling both holes install the LED light and install the screws provided.

Electrical connections:

The electrical connections can now be made. Remove the lower side column cover. Inside you will find white plastic connectors near the front and rear of the side column. (See Figure 3). NOTE: If you're retro-fitting the warning LED's the white plastic block shipped in the kit and will need to be mounted in the side column. WARNING: Be sure to install the white plastic terminal block and route the cables as not to interfere with counterweight travel. The front LED cable will need to be routed into the side column and down towards the floor and back up the side column to meet the rear LED strip, where then both LED's can be connected to the cable provided in the kit. This cable will provide the power for the LED strips.

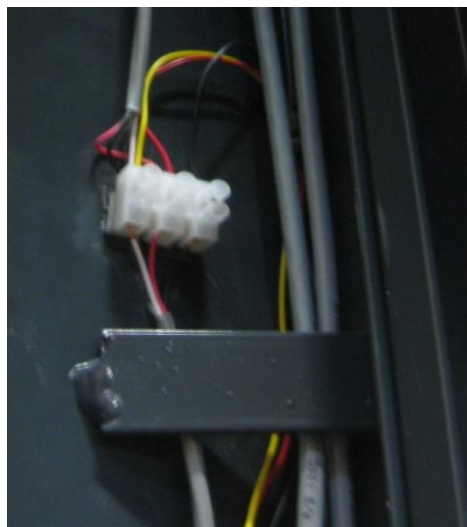


Figure 3

The connections at the terminal block will match the colors coming from the cable in the side column. Simply match the colors. NOTE: The side contains a counterweight that travels up and down in the side column which could damage the cable during operation of the door. The side columns have pieces of steel in place to use like conduit to prevent damage and movement of the cables.

The wires from the cable terminate in the control panel, White to terminal 05, Red to terminal 08 and Black to terminal 32. There will also need to be a wire terminated in 01 to 31. This provides the power to the relays. The brown sub-miniature fuses must be installed in the white sockets under the K2 and K3 relay. Therefore, the white socket furthest to the left will be empty and the middle and far right socket will contain a fuse.

The flashing of the lights is preprogrammed from Rytec. Three (3) seconds before closing the LED's will flash Yellow, and then change to Red while the door is closing. Changes to the frequency, colors, and times can easily be made in the field.

NOTE: In retro-fit circumstances the System 3 will need to be programmed to allow for the flashing of the LED warning strip. To enter into the parameter programming mode please reference your System 3 Drive & Control Manual.

P: 025 = 3

P: 720 = 12

P: 726 = 4

P: 72A = 3

P: 730 = 12

P: 736 = 4

P: 73B = 1

P: 025 = 3 seconds (time LED will flash yellow) simply increasing the time will allow the light to flash longer.

ATTENTION: In the kit you received an EPROM chip. This chip will need to be replaced if your current version of EPROM is V.18 – V.24. If the chip needs to be replaced please reference Service Bulletin 169 Replacing the EPROM.

Please contact Rytec Customer Support at 1-800-628-1909 with any questions.