



Projector lift systems

Features

External controls

In most situations you would like to control the projector lift system by an external control option. This can be an AMX or Crestron automation system, a simple wall switch or a wireless remote control.

All PPL lift systems are standard equipped with a control box offering 5 in and outputs for remote control. This offers maximum flexibility to control the lift system.



Remote 1 and 2 inputs for all functions

The two parallel inputs remote 1 and 2 can be used for two separate remote controls. This can be the standard service remote control, a control system like AMX or Crestron or a wall switch. These inputs operate with open contacts that switch 5V to ground and can operate all lift functions.

Two 12V outputs

Two 3,5mm jack outputs can give 12V at various moments. These moments can be set via a DIP switch block. These 12V outputs can be used to control a projection screen and/or the power supply of the projector. The 12V can be given for example when the lift starts descending and in show position and switch back to 0V at ascending and in top position.

12V input

A 3,5mm jack input makes it possible to control the lift system with an external 12V. 12V on this input will make the lift go to Show position, 0V will make the lift go to Top position.

Advantage:

- Standard you have maximum flexibility for external control and operation of the lift system

Three electronic height positions

Additional “service” position

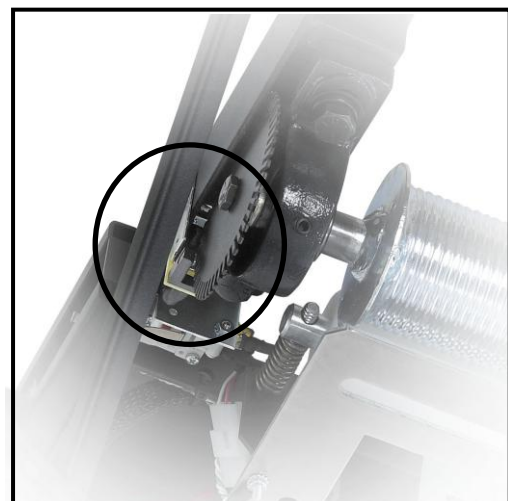
Most lift systems offer only two height positions, Home and Show. Vogel's PPL lift systems offer a *third position: Service*. This position will bring the projector all the way down to a comfortable (programmable) height to do quick and easy projector service.

Remote position setting

As the height positioning is electronic, it can be set remotely. There is no need to climb up to the lift system to set or adjust the height positions. Just set it from ground level or even in a control room if you are using a control system.

Very accurate

The electronic height positioning is working with an infra red optical sensor. This sensor is counting steps when the lift is moving and is reset every time the lift is in top position. This guarantees a very accurate height positioning. The infra red sensor is not sensitive for dust, which is important for use above a false ceiling.

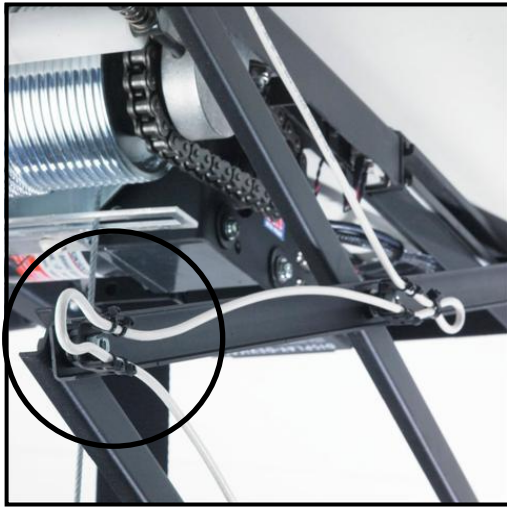


Advantage:

1. Continuous accuracy, the projector image is always in the exact same position.
2. Remote position setting from ground level.
3. Three height positions

Cable management

The installed projector will have cables going down from the ceiling to the projector. Special cable clips on the scissors make it possible to secure the cables safely to the lift scissors. The special shape of the turning clips makes it possible to attach the cables with loops. These loops prevent the wires inside the cable from breaking by limiting the amount of movement. This will prevent the cables to get damaged over time or get squeezed between the scissors. Your cables are save in a Vogel's projector lift system.



Advantage:

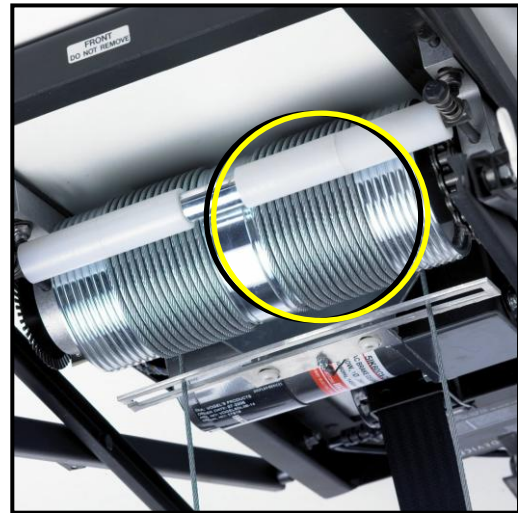
- **No risk of damaged cables.**
- **Projector cables are save and secure.**

Self-diagnostics

Built in self diagnostics monitor the lift operation. A LED will indicate with different series of blinks: ready for operation, safety switch activations or possible problems. This assists you in a quick and easy installation of the lift system.

High quality cable drum + pinch rollers

All Vogel's PPL lift systems have a high quality cable drum. The cable drum has special grooves and pinch rollers. These guarantee that the steel cables are always in the same position. If the lifting steel cables do not come back in the same position or even wind over each other, the lift can get a misbalance and so the projector image. With traditional tube motors using a flat cable drum this can occur. Not with Vogel's lift systems using a grooved cable drum + pinch rollers.



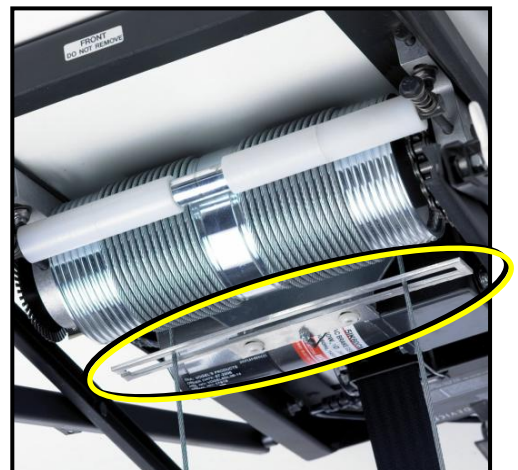
Advantage:

- **No risk of misbalance of the lift system/projector.**
- **The steel cables are always in the right position.**

"Cable off drum" sensor

If the descending lift platform is blocked for some reason, the cables can unwind from the cable drum without the platform descending.

This can cause potentially dangerous situations. The unique "cable off drum" sensor prevents this from happening. If the cables are not straight down and make contact with the sensor the lift will automatically stop and the LED will blink to indicate this.



Advantage:

- **Extra safety**
- **More reliable operation**
- **Cables will stay in the same drum position**

PPL 1515

- Lowering length 1m
- Max. lifting weight 15kg
- Max. projector weight 15kg
- Ceiling trim kit included



PPL 2525

- Lowering length 1,8m
- Max. lifting weight 25kg
- Max. projector weight 18kg)*
- Ceiling trim kit optional



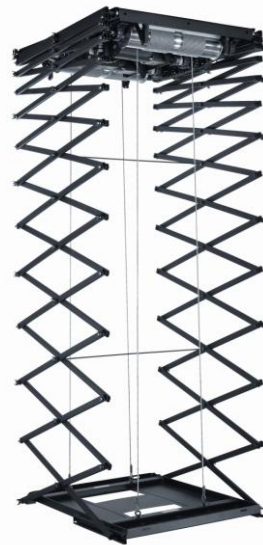
PPL 3535

- Lowering length 4,2m
- Max. lifting weight 70kg
- Max. projector weight 18)*
- Ceiling trim kit is optional



PPL 7575

- Lowering length 7,2m
- Max. lifting weight 180kg
- Max. projector weight:
dedicated projector adapter
needed



)* For heavier projectors dedicated projector interfaces can be ordered separately.