



Hygiene Plus Halo Touchless Car Operating System

The **Dewhurst Halo** Touchless Car Operating System brings touchless technology inside the lift car.

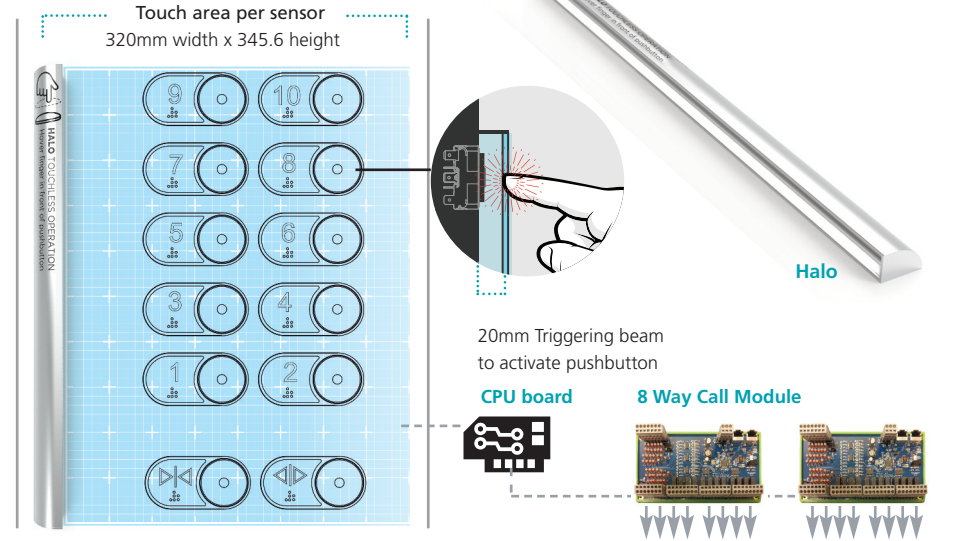
The system actively monitors the area above the pushbuttons and is programmed to register calls when the user hovers their finger near the button. The sleek design and standalone nature of the system makes it perfect for new or existing installations.

Key features

- ✓ Touchless operation reduces transmission of germs
- ✓ Retrofittable to existing installations
- ✓ Customisable to your panel layout
- ✓ Works alongside traditional pushbuttons for code compliance



Product Specifications



Compatible with Dewhurst touchscreen and pushbutton range

Halo can be fitted on left or right



Halo Touchless Car Operating System





HALO TOUCHLESS OPERATION
Hover finger in front of pushbutton

Hygiene Plus

Halo Touchless Car Operating System

Frequently Asked Questions

This looks great, but how does it actually work:

The Dewhurst Halo touchless car operating system use zForce® optical sensing technology, developed by Neomode, which is able to track where objects are in relation to the sensor unit. The sensor emits infra red radiation which is invisible to the human eye, the infra red waves are propagated parallel to the fixture. When an object or finger breaks through this parallel beam, then the infra red waves are reflected and this is received by receivers in the sensor. The sensor is able to determine X-Y coordinates of the object or finger. The specific X-Y coordinates for the buttons are programmed by the technician when the unit is installed.

Ok, so how is it programmed to know where the buttons are:

The CPU board is programmed when the unit is set up. The technician will need to enter

- (i) button number,
- (ii) X coordinate,
- (iii) Y coordinate and
- (iv) the size of the button.

The CPU board can be programmed over Bluetooth1 or via a wired connection from a laptop.

Cool, so how many floors will this work for:

A single sensor will cover an area that is equal to approximately 3 columns of pushbuttons and is approximately 6 pushbutton rows high so should cover up to 18 floors. A second sensor can be stacked vertically to cover an additional 18 floors worth of buttons. The 8 way call cards are chained depending on the number of outputs required

We have only just installed the Lift / modernised the fixture, can the unit be retrofitted:

Yes, the Halo touchless car operating system was designed with both retrofit and new install applications in mind. The installer will need to drill 3x 3mm fixing holes and 1x 8mm holes for the wires using the drilling jig provided. The unit is then fixed to the faceplate and the CPU and call cards mounted to the rear of the COP and wired. The final step is to program the CPU board.

I am worried about people abusing the lift, is this system going to increase the risk of this:

The system has been designed to prevent the risk of accidental calls. A user can only trigger the lift once when they break the IR beam, so the system will not register multiple calls if they 'swipe up'. Additionally there is a maximum limit on the size of an object to trigger a call so accidental leaning on the lift panel will not suddenly trigger multiple calls. If users want to 'play' with the system then they will be able to call multiple floors – however the risk is no higher than with regular buttons.

How does the Halo system affect code compliance:

This system is a secondary input system which operates in parallel to pushbuttons. It should only be used in appropriate applications.



Halo Touchless Car Operating System



Component parts

- Halo housing and sensor
- CPU Board
- 8 Way call card

CPU board



8 Way Call Module

