

## Introduction

This installation sheet is to be read in conjunction with Ethos Operation Manual (TVL273) It is important that you familiarise yourself with both manuals before commencing any work with the Ethos or the Ethos HCD system. Be aware that the lift panel will contain equipment that is supplied with potentially lethal voltages. Please make sure the panel is isolated before carrying out any installation work or modifications. Note:- The HCD Server Panel contains a UPS which will shutdown in 2 mins after loss of power, be aware of 240V a.c whilst the UPS is still running.

The TVC Ethos HCD System is a distributed field-bus network for interfacing calls to an Navigator Hall Call Despatcher. The system is used in place of normal discrete wiring for car and landing calls.

Each passenger enters a destination level prior to entering the car. The Ethos Navigator Server allocates passenger requests (calls) to individual cars. As each lift user is required to select a destination the Dispatcher receives a more complete picture of traffic demand than would be available on a conventional system and is able to make more intelligent allocations.

## Specification

### In Car Touch Screen

Supply Voltage	24 V d.c. (24, 0V and Earth)
Operating Current	1A.
Dimensions	180 x 245 x 55 mm
Fixings	4 x M4 at 145mm x 232.5mm

## Precautions

The car information panel must be mounted in a suitable COP using studs fixed to the COP. Observe normal precautions for handling electronic devices, avoid static electricity, dampness and extreme temperatures. The shell contains fragile parts so treat the unit with extreme care. Please read this instruction sheet fully before use. **Only clean units with isopropyl alcohol or similar IT screen cleaner.**

## Indicator Mode / Normal

During normal operation the in car information panel will act as a position indicator and conventional speech encoder. It will display its current position, direction of travel and its intended destinations (drop off's only).



## EMC Guidelines

It is extremely important that the following guidelines are adhered to. All communications and 24V cable runs must be kept away from motor wiring, a separation of at least 300mm. Keep communications and 24V wiring away from mains. If wiring has to cross any high voltage cable this must be done at right angles. The Car Panel must be mounted away from any high voltage equipment e.g. motors, door gear etc. Mains power input and motor output cables should be shielded and earthed as per panel drawings. Any screens must be earthed at both ends to low impedance earths.

## Network Failure

If there is a problem with the link connecting the device to the QuickFlex serial bus the Network Failure message will be shown.

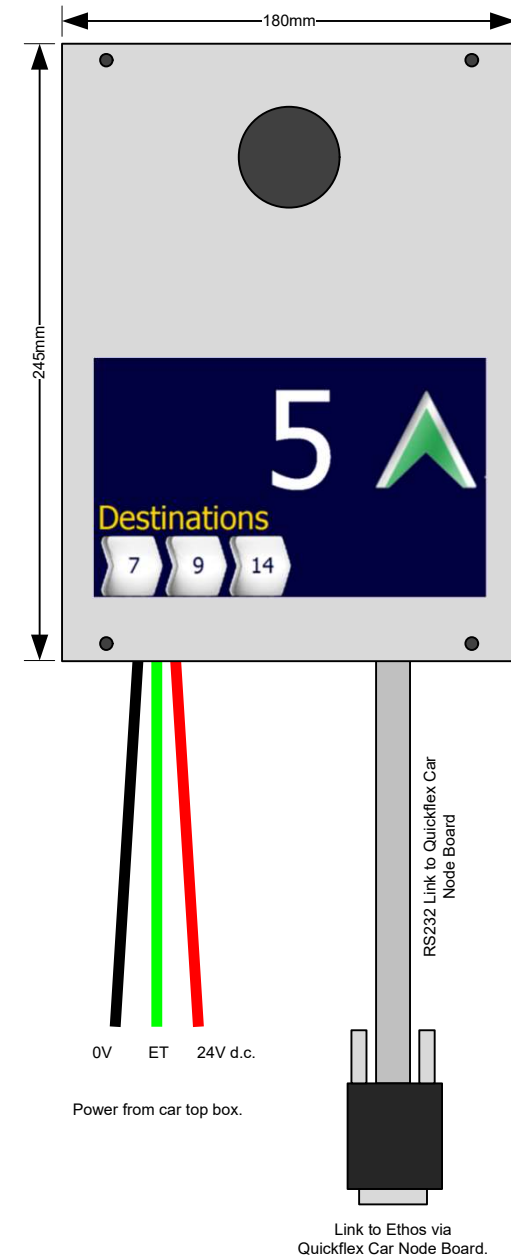


## Service Messages

When on a service, the appropriate message will be displayed along with the lift position and direction.



## Typical Wiring In Car Information Panel



## HCD In Car Information Panel

We reserve the right to alter, without giving prior notice, technical data, dimensions and weights described in this manual.  
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### Call Entry Mode

When the lift car is on a service such as *Special Service* or *Fire Service Phase 3* the display will change to call entry, where a constant pressure call can be entered on to the lift just as one would be entered via conventional discrete push buttons. This screen may appear in certain out of service conditions which require a car call to reset the lift.



### Hidden Menu Access

The Configuration menu is accessed by either selecting the button 'Menu' (available from the call entry mode), or, when in Indicator mode, keeping your finger on the touch screen for at least 5 seconds.



### Pin Entry Screen

Menu PIN entry Screen (Password is 1066)  
COP Mode / Car Preference (Password 51513)



### COP Mode – Car Preference

Isolation – Takes car out of group and out of service.  
Preference – Allows the car to be used on car preference, car calls can be placed via the screen as on normal car preference.  
Car Light turns on/off the car light.  
Light test allows a quick light test.



### Configuration Menu Screen

Version information is shown.

Auto-Run – TVC Engineer only feature.  
Calibrate – Calibrates the touch screen.  
Exit – TVC Engineer only feature  
Home – Returns to either Indicator or Call entry mode



### Volume Adjust Screen

Volume – presents a slider to adjust the volume via software.

Master volume can also be adjusted on the DIP-AMP board via potentiometer R6.

