

The optional Lift Interface board enables extensive control and monitoring of lift car operation and floor access. Up to 32 floors may be controlled and monitored per Universal Expander using up to four optional Lift Interface boards and a Lift Interface Extension Cable (995019).

Each Lift Interface board has 8 opto-isolated zone inputs and 8 relay outputs to provide the facility to connect to lift control systems. Button feedback can be enabled where required. This feature ensures that only one button can be pressed per valid card read. Additionally, Concept 4000 provides the means for different sets of floor buttons to be made available depending on the user attempting to access the lift buttons.

### Features:

- Each Control Module will secure up to 64 floors and 16 lift cars. Custom configurations will allow 32 lift cars. For larger applications, use multiple Control Modules linked using Insight software
- Lift access readers are interfaced using standard Concept 4000 Door Access Modules
- Button feedback supported. Logs user and selected floor.

### SPECIFICATIONS

#### Physical

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| PCB Dimensions           | 180(L) x 68(W) x 20(D) (mm)                               |
| Installation Environment | 0° – 40°C @ 15% to 85% Relative humidity (non-condensing) |

#### Electrical

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Input Voltage to PCB | Via host Universal Expander                                     |
| Operational Current  | Min.: 45mA (No relays active)<br>Max: 170mA (All relays active) |

#### Inputs

|                      |                                               |
|----------------------|-----------------------------------------------|
| Zone Inputs          | 8 (Special opto-isolated button sense inputs) |
| Button input voltage | 16-120VDC full wave rectified, non regulated. |

#### Outputs

|                                    |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| Relay outputs                      | 8                                                                      |
| Max. switchable current per relay. | 500mA @ 16 - 48V DC/AC RMS<br>200mA @ 60 - 150V DC/AC RMS (30W/62.5VA) |
| Max. combined output current       | To be included within the constraints of the host Universal Expander   |

### Relay Extension Cable

If there is a requirement to install Relay Expander Boards away from their controlling module, or a need to connect more than one Relay Expander Board to a Universal Expander, the 440mm Relay Extension Cable can be used. It has 6 DIL 20 way sockets to connect relay boards to a Universal Expander.



Shown: Universal expander fitted with 4 Lift interface boards mounted into an extra large powered low profile enclosure. With this configuration, it is possible to service 32 floors.

### Ordering options

#### 994020

Lift Interface Board for Universal Expander



#### 995019

Relay Extension Cable with 6 DIL 20 way sockets

