

Installer Tips

Cables

- Don't use fire protected cable, the circuit is failsafe so BS 5839 only requires the cable to be suitable for the current and voltage
- In a retrofit, it can be hard to conceal cables. By using as 0.5mm twin flex as the wiring system the cable is easier to work with and hide.
- Electricians should do their own calculations on volt drop but as a general guide, fit no more than 10 units evenly spaced on a 50M run of 0.5mm flex.

Interfacing for fire alarm

- For retrofit, most premises will already have corridor doors held on magnets connected to the fire system. Rather than create a new interface, simply tap into the circuit and use this to drive power supplies for the Carefree units.
- If the door circuit is mains then use this as a feed for the power supplies. If 24V then use a Holdfire PS2E or PS4E unit and connect the 24V to the control inputs.
- Alternatively, if the existing circuit is 24V then after checking cable loadings etc., an option might be to simply use the existing 24V from the door circuit and uprate the power supply at source.

If interfacing in this way, do make sure the existing doors are controlled from an auxiliary contact in the fire panel as opposed to a sounder circuit otherwise the requirements of BS7273 will not be met.

Fitting the closers

- The units are very easy to fit and generally it is not worth having a carpenter fit them.
- On a new build, it is best to fit the wire loops but not fit the closers until the floor coverings have been laid. The reason is that the doors may need to come off to accommodate carpets etc. and the units would get damaged.
- The fitting template sets the position of the closer on the door, however sometimes it might be necessary to shift the closer to avoid an obstacle. In reality the whole template can be moved up to 75mm further away from the hinges if necessary although this will reduce the maximum opening angle from 170 degrees to around 110 degrees.

Contact

If this note does not answer all your questions, try the FAQ page on the website or give us a call on **0800 1116104**

Disclaimer

All of the tips in this note are suggestions and it remains the responsibility of the installer/designer to verify that installations meet any necessary Standards and regulatory requirements.