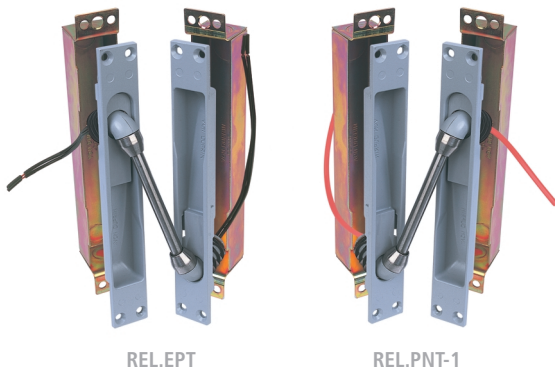


Basic Principles

Power transfer units are an essential part of all access control systems that include an electrified lock or electronic device on the door leaf. Since power is required across the hinge line it is important to provide a secure and 'mobile' conduit through which the cables are fed.

This can be achieved in a number of ways. The decision should be made with deference to the security level expected from the system. Concealed power transfer methods (although more expensive to install) are preferable to surface mounted units.

REL.EPT & REL.PNT-1



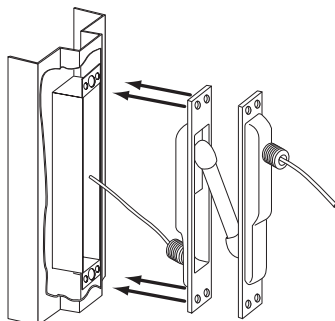
REL.EPT

This **Electric Power Transfer** unit provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are suited ideally for installations involving potential abuse or heavy traffic.

REL.PNT-1

Available for **pneumatic** latch retraction exit devices. Appearance and dimensions are identical to REL.EPT models.

Important Note - Careful consideration should be given to the overall opening arc of the door and the offset of the pivot point. Neither device is suitable for use with swing clear hinges or centre-hung pivots. If in doubt, please consult the sales office.



Correct Specification

- REL.EPT2** – Two 18 gauge wires up to 2A at 24Vdc with a maximum 16A surge
- REL.EPT10** – Ten 24 gauge wires up to 1A at 24Vdc with a maximum 16A surge
- REL.PNT-1** – Will accommodate 6mm o/s diameter air line
- Housing** – 229mm x 32mm x 38mm

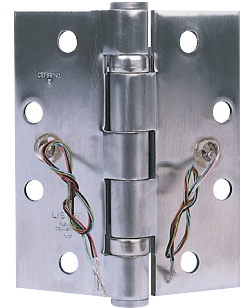
Finishes

- SP28** – Sprayed Silver
- SP313** – Sprayed Dark Bronze

REL.CE Conductor Hinge

Conductor hinges (or concealed electric power transfer hinges) are load bearing and should be specified in strict accordance with the requirements of normal hinge specification processes.

Once installed, the wires are impossible to detect since they are enclosed within the thickness of the hinge leaves and around the hinge pin within the barrel. This solution provides the tidiest and most straightforward solution to the power transfer problem.



Correct Specification

- CE-FBB179** – 114mm x 102mm (standard weight)
- 114mm x 114mm (standard weight)
- CE-FBB168** – 114mm x 114mm (heavy weight)
- CE-FBB191** – 114mm x 102mm (standard weight)
- 114mm x 114mm (standard weight)
- CE-FBB199** – 114mm x 114mm (heavy weight)

Available with four wires (use suffix -54), six wires (use suffix -56) or eight wires (use suffix -58).

Finishes

- US26D** – Satin Chrome on Steel (179 & 168)
- US32D** – Satin Stainless Steel (191 & 199)

REL.ARM Armoured Door Loops



For those circumstances where vandalism is unlikely to be a problem we offer a simple stainless steel armoured loop.

Correct Specification

- REL.ARM** – Door Loop Internal dia. 6mm

REL.CALL Resettable Callpoint

A fail safe emergency override for those doors that are on escape routes and that are locked electronically.

Correct Specification

- REL.CALL** – Resettable Callpoint
- Single pole changeover switch

