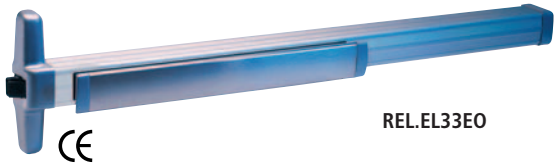
REL.EL Electric Latch Retraction Exit Devices -
Available on REL.98/99/33A & 35A Series Devices Only

The EL Electric Latch Retraction feature provides controlled access through escape doors (via a remote unlocking feature) usually found on the perimeter of a building. **EL** devices are 'free from fixings' hence, safe egress is always available.

This feature is available on rim exit devices, surface mounted vertical rod devices and three point latching devices. See page 31 for device combinations.



REL.EL33EO

Operation

The latch bolt is retracted via any type of reader, switch or push button; changing the status of an exit only or latched door to a push-pull operation. A powerful continuous duty solenoid retracts the latch bolt for momentary unlocking, or for extended periods of time, in lieu of manual dogging.

EL devices are particularly useful in systems incorporating requirements for time controlled access where escape is of paramount consideration.

Complete systems will always require a power transfer unit to transfer power from the frame to the door and a custom built power supply unit (See below).

Where To Use the EL Device

Ideal for locking main entrances to high rise blocks of flats (and similar installations) where they can be released by a signal from the intercom system. In short, any heavily vandalized area where the number of daily operations is very high.

Electrical Specification

Solenoid (Continuous Duty)	– 24Vdc
Current Inrush (300 milliseconds)	– 16 amperes
Current Holding (REL.33A/35A and REL.98/99)	– 300mA

How to specify or order

Use the prefix **EL**. For example **REL.EL9927EO.US28**

Power Options

Use only **REL.ELPS0** 24Vdc Power Supply (latches only) or **REL.ELPS0BB** 24Vdc Power Supply with **battery back-up** (all devices incorporating vertical rods).

Power supplies incorporate an **Entry Relay** to interface with any access control system. Details of the access control system will be required at the order stage.

Power Supply Enclosure Dimensions

REL.ELPS0	- Enc. size 325mmH x 255mmW x 90mmD
REL.ELPS0BB	- Enc. size 325mmH x 255mmW x 90mmD

REL.PN Pneumatic Controlled Exit Devices -
Available on REL.98/99 Series Devices Only

The PN Pneumatic Control feature provides controlled access through escape doors (via a remote unlocking feature) Usually found on the perimeter of a building. **PN** devices are 'free from fixings' hence, safe egress is always available.

This feature is available on rim exit devices, surface mounted vertical rod devices and three point latching devices. See page 31 for device combinations.

Operation

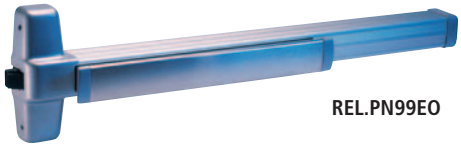
The **PN** feature includes a special actuating linkage giving the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify **HD-PN**. Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.

Standard cylinder dogging is not available with this option. Specify **SD-PN** Special Centre Case Cylinder Dogging (See page 24).

When activated pneumatically, the latch bolt(s) of the exit device retract for up to 1.5 seconds.

Where to use the PN Controlled Exit Device

Designed for use in situations where there is a requirement to combine life safety with security in hazardous areas where electrically operated devices would not be permitted normally.



REL.PN99EO

PN Controlled Exit Devices -
Air flow requirements

Relcross compressors are capable of providing pressures up to 120 psi. Relcross controllers operate at between 80 psi minimum to 100 psi maximum. Regulated air output, from 50 to 80 psi, is required for **PN** devices.

For more information on compressors, controllers and other pneumatic accessories please refer to the Door Controls Brochure pages 12 & 13.

REL.EPT & REL.PNT-I

REL.EPT (For EL Devices)

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.EPT

REL.PNT-1

REL.PNT-1 (For PN Devices)

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

See Access Control Brochure page 27 for more detail.