The NRI e² is not only coin escrow but also a coin deflector. It collects all the coins inserted, before directing them either into the machine cash box or into the return area for the customer.

**Overview**

1 Sorting flap  
2 Interface – machine  
3 Solenoid – return area  
4 Solenoid – cash box  
5 Coin collecting hopper  
6 Cash box chute  
7 Coin outlet – cash box  
8 Return chute  
9 Coin outlet – return area

**Models**

Depending on its application the e² is available in two different models:

- For a supply voltage of 12 V DC (order no. 21589)
- For a supply voltage of 24 V DC (order no. 19884)

**Properties**

- Robust metal housing
- Reliable coin routing due to monitored sorting flaps in cash box and return chute
- Capacity of 230 g of all circulating coins  
  (approx. 30 50c-coins or 25 €2-coins)
Function
The escrow and coin deflector e² is used to collect all coins inserted by the customer until the customer decides either to buy a product or to cancel the vending process. As soon as the e² receives a cash box or return signal from the machine the two sorting flaps will be controlled using solenoids in order to direct the coins via the cash box chute into the machine’s cash box if a product has been selected, or via the return chute into the return area if the vending process has been cancelled.

Technical data
Supply voltage 12 V DC or 24 V DC, ±10%
Current consumption approx. 650 mA at 12 V
approx. 350 mA at 24 V
Temperature range -25 °C to +75 °C
Rel. humidity Up to 90%
Condensation Not permitted
Coin processing All coins circulating
Control signal, solenoids: 150 ms min.
Max actuations: 500,000
Capacity: 230 g
(approx. 30 0.50c-coins/25 €2-coins)
Dimensions
Height: 97.7 mm
Width: 127.0 mm
Depth: 73.9 mm
Mounting position Vertical, max. deviation: ± 2°
Interface 6-pole Molex plug 75 395-6 for Molex socket 75 394-6
Pin 1 Cash box solenoid switch
Pin 2 Cash box solenoid switch
Pin 3 Return solenoid switch
Pin 4 Return solenoid switch
Pin 5 Control cash box signal (150 ms min.)
Pin 6 Control return signal (150 ms min.)
Connection diagram
Maintenance

Cleaning interval: When visibly soiled, at least every 6 months
Lubricating interval: When no longer functional as specified and after cleaning, at least every 6 months
Lubricant: Molykote EM-30 L Grease
Lubricating points: Please lubricate both solenoids and sorting flap pivots!

Additional technical documentation

All NRI product descriptions, e.g., for our coin validators are available as PDF at [www.cranepi.com](http://www.cranepi.com), NRI Support.