



## Magnetic card reader for PC computer or Electronic Cash Register **Cartadis TCRS**

The **Cartadis TCRS** is a magnetic card reader/encoder, it is driven from a serial RS232 communication coming from a PC computer or an electronic cash register (ECR).

The application fields of the **TCRS** are: catering, cashless system, photocopier, vending machine, access control, reloading terminal, etc ...

The **Cartadis TCRS** uses prepaid magnetic cards which means they store a value. The value being updated with the compatible equipments of the **Cartadis** range:

- **TC4N/TC11N**: card reader terminals for photocopier.
- **TDA1**: card reader for vending machine.
- **DRC4**: automatic dispenser/reloader of magnetic cards.



The **Cartadis TCRS** uses cards with a High Coercivity stripe, this technology offers a high reliability of the data stored on the magnetic card.

A secure method of data encoding prevents the card from being copied with a standard encoder. The magnetic cards store several fields of data:

- Site code: this code is managed automatically, it allows cards belonging to other sites to be rejected.
- Value: can be increased or decreased by a **Cartadis** reader.
- Account: used to identify the owner of the card.

Several kinds of cards can be handled by the unit:

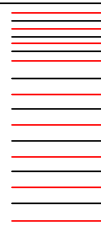
- Thick plastic cards for a reloadable use. Up to 3000 transactions can be achieved with such cards.
- Paper cards for a disposable use. Such cards are loaded with an initial value, then used and thrown away once empty. It's the cheapest magnetic card.
- Thin plastic cards also for a disposable use. These cards are more advisable for an aggressive environment.

Two communication protocols are available:

- **Cartadis protocol** (based on a set of ASCII keywords),
- Electronic Cash Register protocol.

Other protocols may be implemented on request.

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Power supply: 24 VDC from an external P. S. U.  
Weight: 1 kg  
Dimensions: 100 mm W, 90 mm H, 180 mm D  
Display: L. C. D. Supertwist 32 Characters