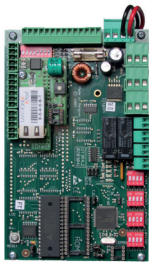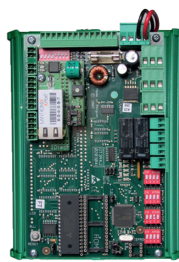# HARDWARE

Autonomous access control unit – R.A.U.

The remote access unit (R.A.U.) has the memory, communications cards, microprocessor and power supply necessary to manage access control and the actions to be taken in the event of alarms (opening doors, barriers, gates etc.) locally and autonomously.
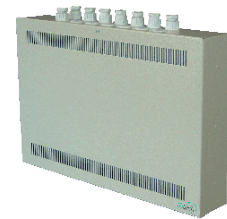
BOARD VERSION

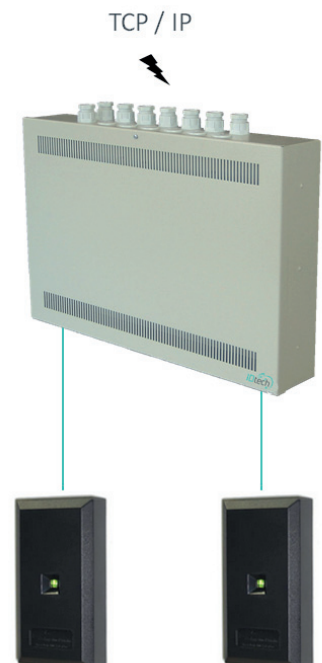### DIN VERSION

HOUSING VERSION

The free inputs can be used for monitoring external alarms or controlling the status of auxiliary doors.

A POE (Power Over Ethernet) option is also available. This option powers the device immediately thru the Ethernet connection.

As standard, the R.A.U. can control :

- 2 read heads for personal identification (with or without keyboards)
- 1 entry/exit door or 2 entry-only doors
- 4 logical inputs
- 2 relay outputs

TCP / IP

SPECIFICATIONS

Available options	• Tamper switch • Additional I/O • Modem / GPRS • Battery Backup (B.P.S.)
Output voltage	12 V DC or 100 to 240 V AC (50-60 Hz)
Typical power consumption	0.15 amp (excluding peripherals) at 12 V DC
Battery backup	+- 5 years of data retention
Central unit connectivity	RJ45 Ethernet 10 Base-T or 100 Base-TX (auto-sensing)
Available reader inputs	• 2 TTL inputs for iso (clk, dat) or wiegand (D0, D1) format • 2 leds / head • Beeper • Others on request
Logical inputs	4 voltage-free inputs (Expandable to 12)
Output relays	2 relay outputs NO, NC (Expandable to 8)
Size	220 Volts without battery: 300 mm * 300 mm * 80 mm 220 Volts with battery: 300 mm * 450 mm * 80 mm
Mounting	Wall-mounting, din, rail
Temperature	0°C....+ 60°C
Conformity	CE

FEATURES

- Controls the opening and closing of doors, barriers and gates, triggers sirens, video cameras and lighting and centralises logical status reports from sensors or external contacts

- Access and alarm control at remote sites (in option, using modem, Wi-Fi or GPRS)

- Tables of programmed actions

- All events, transactions and parameters stored to ensure the access control and alarm management functions are carried out in full

- Accounting for special days and public holidays

- Fire control to allow emergency evacuation

CHARACTERISTICS

- Autonomous controller

- Secure communication protocol

- Continuous operation with or without connection to the central unit

- Ethernet network connectivity ready

- Automatic data synchronisation after failure communication with the central unit

- Large memory capability: 20,000 cards and 5,000 events (other capacities, up to more than 100,000, available as an option)

- Procedures and information backed up in the event of power failure

- Compatible with a variety of identification technologies: magnetic, chip card, remote control, Mifare, Desfire, Magstripe, biometrics (iris, fingerprint, hand geometry)

- Fully integrated to the IDtech software suite

- 100% compatible with the controllers in the IDtech range

  - R.T.U.; R.S.U.

  - R.C.P./b4; R.C.P./m8; R.C.P./b10

- Simple and easy installation

  - Wall-mounted, din, rail

  - Power supply required (220 V)

  - Connection to the central management unit via IP link (cabled or wireless), GPRS or serial connection

  - Connection to peripherals via removable connectors