

914 HotMAX

Access Control terminal

Description

The **914 HotMAX** is a basic **access control terminal** and it represents the ideal solution for hotel rooms, ship cabins, sleeping cars, offices, residential buildings, tourist villages, spas, clinics, hospitals, etc.

Overview

- It is available in a number of **different configurations** and it can be connected to other control devices (light switches, courtesy lights, infrared sensors, gas sensors, etc.) of the BTicino "Living" series.



Functionalities

It is equipped with an RS485 port and can function:

- on-line** in point-to-point or multidrop configuration with NET92 protocol;
- off-line** by using a list of valid card codes recorded internally.

This can be done in a number of ways:

- **COMMON CODE ONLY:** unlimited number of valid cards. Can be used in conjunction with the BITMAP and PACKED mode. Not possible with proximity reader.

- **BITMAP MEMORIZATION MODE:** max 3500 valid cards, numbered in sequence from '0000' to '3500'. Not with proximity reader.

- **PACKED MEMORIZATION MODE:** the maximum number of cards which can be memorized ranges from 223 to 89 according to the number of figures considered in the personal code, from 4 to 9.

- **COMPRESSED MEMORIZATION MODE:** max 223 valid cards. Secure storage of card code makes it possible to use a credit card and it is the preferred mode with proximity readers, too.

- **HOTEL MODE:** the terminal can be configured for use in hotels, controlling rooms and facilities. Guests are given a card loaded with a progressive number for their room: each new number invalidates the preceding one. Each card can have up to 6 facilities associated to it, access to which is then controlled by readers. When the readers are connected to a NET92 network, they receive the code of the last card authorised to enter through that gate, and will then only accept successive numbers.



Configurations

- 914 HotMAX can be supplied with different readers:**

- **magnetic:** a swipe reader with satin-finish aluminium casing; weather-proof; separate electronics; partial insertion (16-17 characters in Track 2); can be housed in a plastic wall box with BTicino "Living" series front plate;
- **barcode:** a swipe reader with satin-finish aluminium casing. Decodifies C39 and I2/5;
- **proximity:** 125 KHz, 64 bit read only;

- 4 sensors (2 in the swipe version):
 - auxiliary & port status (for a lock or a switch, for example)
 - card inserted (magnetic insertion reader only)
 - anti-tamper (magnetic insertion reader only)
- Door lock relay (programmable from 1 to 253 tenths of a second).

HW Specifications	
Reader	<ul style="list-style-type: none"> • magnetic partial insertion reader: ISO track 2, 16 characters • magnetic swipe reader (optional): ISO track 2 • optical IR swipe reader (optional): C39, 10 characters max - I2/5, 24 characters max • proximity reader (optional): 125KHz, 64 bit read only
Auxiliary sensors	<ul style="list-style-type: none"> • card-insertion and anti-tamper sensors on the partial insertion reader only
Input/Output ports	<p>on a screw-connector block</p> <ul style="list-style-type: none"> • Input: 2, digital, for on/off sensors (door-status and auxiliary sensor) • Output: 1 with relay, normally open 2A @ 30 Vdc max
Communication ports	<p>on a screw-connector block</p>
NET92/ RS485	<ul style="list-style-type: none"> • TMC NET92 network slave, 9600 or 57600 bps, or point-to-point at 2400 bps
Signal/LED	<ul style="list-style-type: none"> • 2 LEDs, one RED and one GREEN
Memory	<ul style="list-style-type: none"> • EEPROM, non volatile 4 K bit (223 4-character codes in packed mode) (223 codes of any length in compressed mode) (3500 4-character codes in bitmap mode)
Power supply	<ul style="list-style-type: none"> • 9 to 15 Vdc, 80mA max
Mounting	<ul style="list-style-type: none"> • can be housed in electrical box (503) with BTicino "Living" series front plate (version with partial insertion reader only)
Physical Characteristics	<ul style="list-style-type: none"> • Temperatures: when functioning 0°C +50°C, in storage -20°C +70°C • Humidity: 0 to 95% non condensing
Dimensions	<ul style="list-style-type: none"> • 80 x 80 x 50mm (W x H x D) (insertion version) • 75 x 68 x 20mm (W x H x D) (motherboard only)
Weight	<ul style="list-style-type: none"> • 150g (insertion version) 50g (motherboard only)