



914 HotMAX NeoMAX

914 HotMAX MI e NeoMAX

Access Control Terminals



914 HotMAX MI



914 NeoMAX

The 914 HotMAX MI and NeoMAX are basic access control terminals and they represent the ideal solution for hotel rooms, ship cabins, sleeping cars, offices, residential buildings, tourist villages, spas, clinics, hospitals, etc.

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OVERVIEW

They are available in a number of different configurations. When they are included in wall flush mounting boxes they can be connected to other control devices (light switches, courtesy lights, infrared sensors, gas sensors, etc.).

FUNCTIONALITIES

914 HotMAX MI and NeoMAX 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 125 KHz 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 150 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 terminals can be configured for use in hotels, controlling rooms and facilities. Guests are given a card loaded with a progressive and crypted number for their room: each new number invalidates the preceding one. 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.

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CONFIGURATIONS

914 HotMAX MI can be supplied with:

- **partial insertion** (16-17 characters in Track 2); can be housed in a plastic wall box with BTicino "Living" series front plate;

914 NeoMAX can be connected to different readers:

- **magnetic**: a swipe reader with satin-finish aluminium casing; weather-proof; separate electronics;
- **barcode**: a swipe reader with satin-finish aluminium casing. Decodifies C39 and I2/5;
- **proximity**: 125 KHz or 13,56 MHz (see HW Spec.);
- **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).
- **Auxiliary relay** for alarms or other activations.

HARDWARE SPECIFICATION

914 HotMAX NeoMAX	
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): <ul style="list-style-type: none"> - 125KHz, 64 bit read only - 13.56 MHz multistandard ISO14443A or read only ISO15693 - LEGIC for proprietary and advant ISO 15693/14443Acards - Third Parties Clock & Data readers
AUXILIARY SENSORS	<ul style="list-style-type: none"> • card-insertion and anti-tamper sensors on the partial insertion reader only
INPUT/OUTPUT PORTS	on an extractable screw-connector block <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	on an extractable screw-connector block
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 on HotMAX • 2 LEDs support on the card reader connected to NeoMAX
MEMORY	<ul style="list-style-type: none"> • EEPROM, non volatile 4 K bit <ul style="list-style-type: none"> (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 (insertion version) • 9 to 40 Vdc (NeoMAX board only)
MOUNTING	<ul style="list-style-type: none"> • can be housed in electrical box (503) (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) • 80 x 54 x 20mm (W x H x D) (NeoMAX board only)
WEIGHT	<ul style="list-style-type: none"> • 150g (insertion version) , 50g (board only)