AMRP900
RADIO SIGNAL REPEATER FOR 900 SERIES SYSTEMS

DESCRIPTION

AMRP900 is a radio signal repeater for all wireless 900 series equipment. It is to be used in all cases where the signal from a wireless device is low and not arrived on receiver. The AMRP900 is capable of doubling the wireless range of the devices programmed to it.
It can be associated with all 900 series receivers: AMXR900, AMKRKP900, AMEXPR900.

Features:

- Digital Radio Transmission FSK 916.0Mhz
- Power Supply 6Vcc or 18Vcc
- NiMh 3.6V 0.7A7h Battery backup (duration without main power is 24h)
- 128 bits AES Rolling-CodeTransmission
- Automatic Life-Test every 20'

OPERATING DESCRIPTION

During the first switch-on, power up the repeater from the terminals, no with battery (with only battery it will not turn on) AMRP900 must be enrolled in a receiver (XR900, Kradio or expr900) in one of the 2 modes used by all 900 series wireless devices, in self learning with the button or with an identification code. It is possible to have max 4 repeaters in one system.
After enrolled the repeater in the receiver, to repeat the singole devices (sensors, contacts, remote controls, etc.) it is necessary to enter the menu of the individual devices parameters, already enrolled, and associate the desired repeater. In this way all the associated devices will pass from the repeater and will have a double wireless range

CONNECTIONS

LEARN BUTTON = It be used as learning signal.
TAMPER SWITCH= anti opening e and back tamper
POWER TERMINAL = 6V to 18Vcc
TRASMISSION LED = flashes when it receives a data packet to be repeated
BACKUP BATTERY = NiMh 3.6V 0.7A7h Battery backup (duration without main power is 24h)

Transmission led

Tamper switch

Self learning button

Battery

Battery socket

power supply terminals
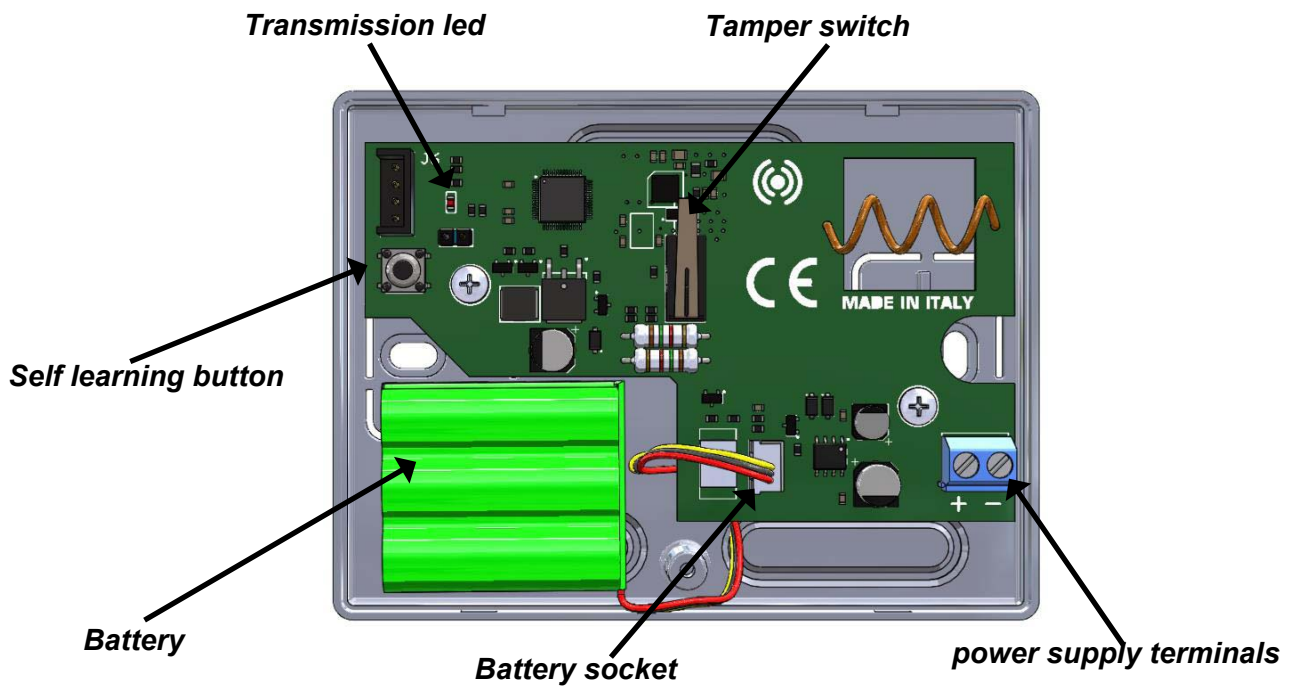
PROGRAMMING

To program and use the repeater you must have the following:
a control panel with a receiver that has already programmed devices on it. The control panel can be A hybrid like X and K series or a wireless one like AMXR900 (receivers are AMEXPR900, AMKRKP900)

- enter in the wireless menu and select the n° of expr you need enroll to the repeater
- use the button (see figure) to enroll in self-learning mode or by inserting the device code
- once programmed in the wireless menu - repeaters, the information of the device will be available:
  - device identification code
  - signal status
  - backup battery charge status
  - supervision
  - enable / disable tamper and supervision

It's possible to enroll up 4 repeaters for each receiver (AMEXPR900, AMKRKP900 or AMXR900)

Now it is possible to link which devices need to be repeated.

- Enter the parameters menu of the devices that are be repeated
- Go to the specific parameter of the repeaters and select which repeater to use (if there is more than one stored)
- Once the repeater is associated, all transmissions from the devices will always be repeated.
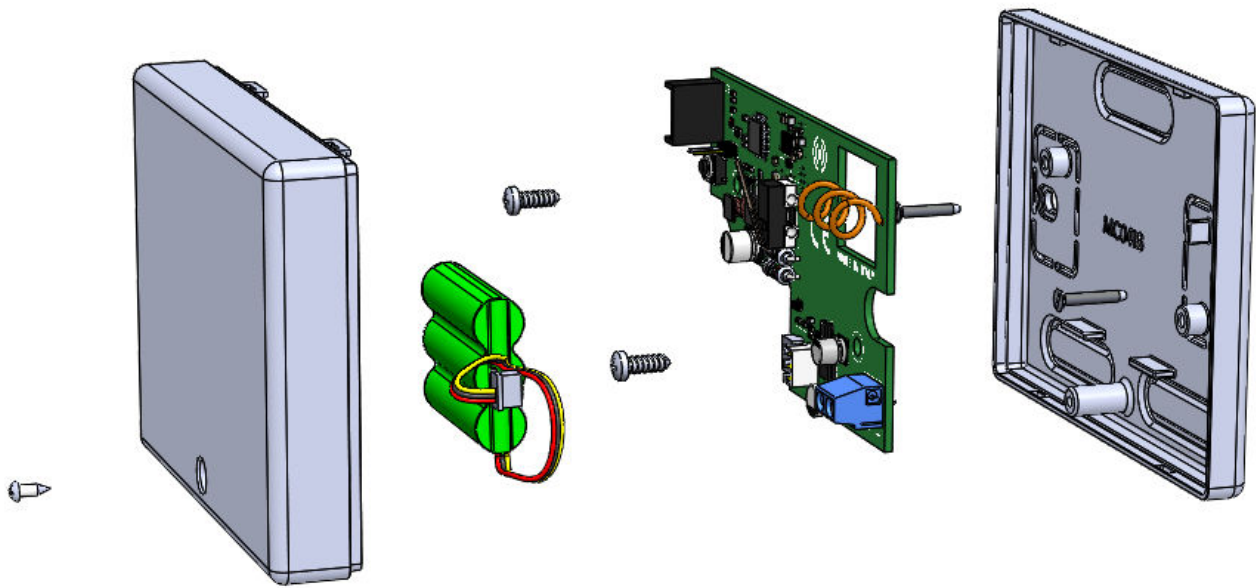
ENGLISH

Remove the electronic board from the bottom of the cover, and fix the bottom with fisher of 4 / 5mm.
Fix the board on the bottom with its screws.
Make all connections, power supply and battery (always connect the battery before the power supply)
Then proceed with the programming, if it has not been previously done
Close the cover for enable tamper protection

TECHNICAL FEATURES

AMRP900	
programmable devices for a single repeater	32 devices - 4 sirens - 4 wireless keypad - 20 keyfobs
Power supply	6Vcc or 18Vcc
Battery	NiMh 3.6V 0.7A7h Battery
Consumption / max	24mA - 230mA
Anti-opening & Back tamper	✔
Operating Frequency	916.0 MHz (AMRP900)
Environmental Conditions	from +5°C to +40°C
Material	ABS

NOTE