Installation guide for the EEN–BP2R Car park control unit

INTRAT☼NE RW

Presentation

The EEN-BP2R car park control unit enables RF control of two car park accesses called "ENTRY" and "EXIT".

It works with an active antenna supplied with the EEN-KBP2R kit that receives an RF signal.

It accepts the 2 and 4-channel Intratone RF 868MHz remote controls.

When controlling the 2 accesses, the anti-passback function is available and can be set by switches.

It can be installed on a DIN rail or wall-mounted.

Car park control unit features:
- 12 →24 V AC/DC – 200 mA.
- 2 2A 24V relays.

Remote control management:
- On the internet: www.intratone.com.
- Read/write mode from the web
- Max 2,500 remote controls
- Opening of max 5 units per remote control.

☞ **Be sure to note the unit's serial number. It will be needed for managing your remote controls from the Internet.**

Description of the unit's components

TOP

8 switches

Removable memory

Reset button

Red LED

Terminal blocks
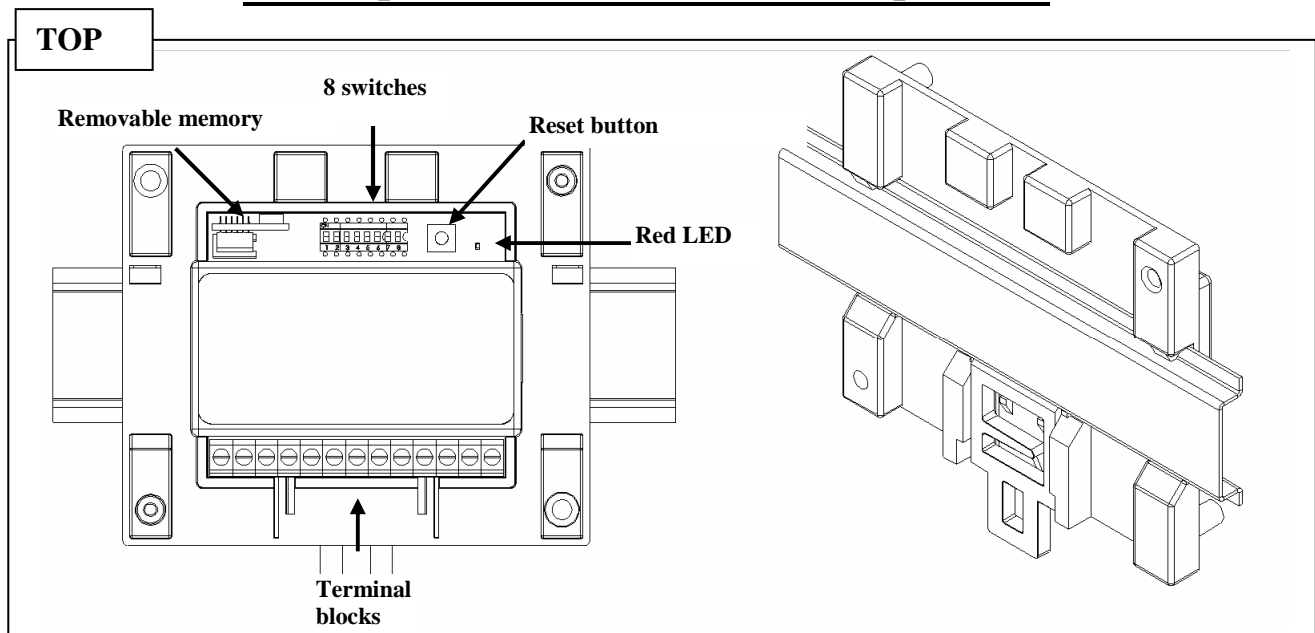
EC standards

The EEN-BP2R meets the R&TTE 1999/5/EC directive: electrical safety standard EN 60950 (2000) applied, EMC standard EN 301 489-3 (2000) applied, radio standard EN 300 220-3 radio (2000) applied.
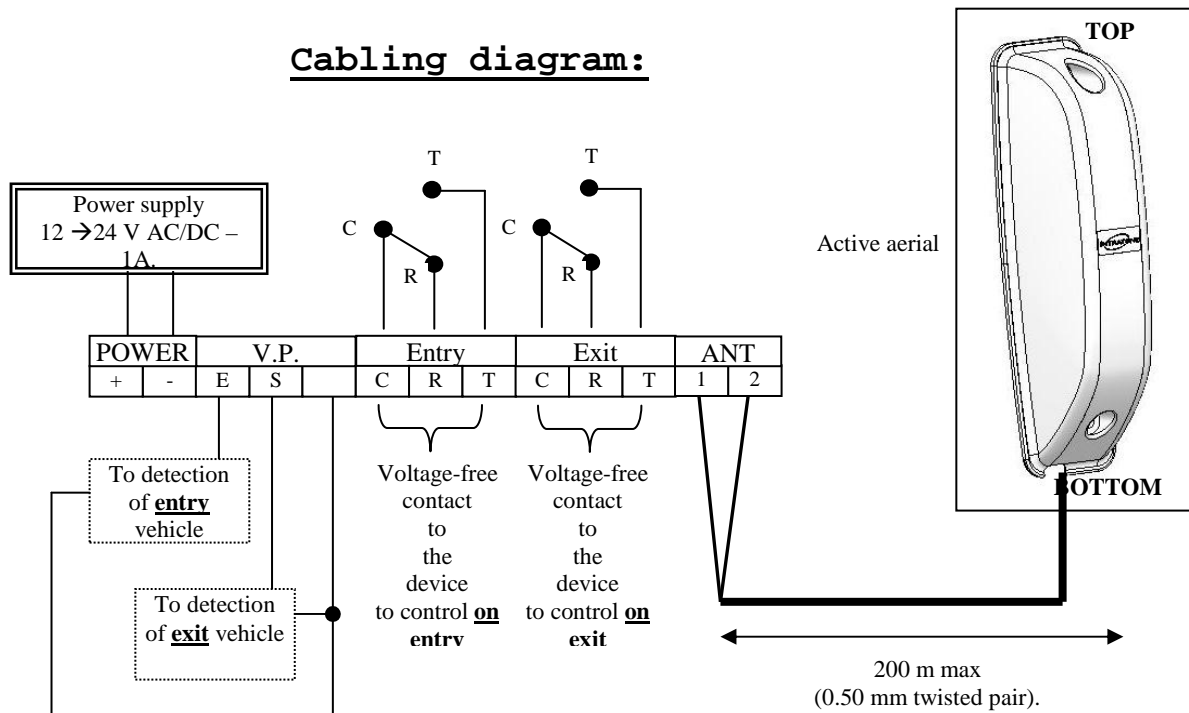
End of life product recycling:

The case and its accessories must not be disposed of with unsorted municipal waste, but must follow the WEEE (Waste Electrical and Electronic Equipment) collection and recycling channel.

Cabling diagram:

Power supply
12 →24 V AC/DC – 1A.

POWER		V.P.			Entry			Exit			ANT	
+	-	E	S		C	R	T	C	R	T	1	2

To detection of **entry** vehicle

To detection of **exit** vehicle

Voltage-free contact to the device to control **on entry**

Voltage-free contact to the device to control **on exit**

Active aerial

TOP

BOTTOM

200 m max
(0.50 mm twisted pair).

Instructions to follow:

☞ Since the car park control unit is not waterproof, it must be installed either in a technical area or inside a box.

☞ Connecting the active antenna (supplied in the EEN-KBP2R kit) is required. **Without an active antenna, the car park control unit will not work**.

☞ The active antenna **must not be enclosed** in a metal case or placed behind a protective area that uses wire netting. It must be installed as shown in the diagram ensuring that the TOP-BOTTOM position is respected so that the cable is connected through the bottom of the antenna.

☞ To achieve satisfactory operation, there must be no metal obstacles between the active antenna and the normal position used for operating the remote controls. It is therefore preferable to **fit the active antenna in a high location** to avoid obstacles (e.g. wire netting).

☞ If you are unable to position the active antenna where it will ensure normal operation on entry and exit of the car park, **a second antenna may be added (ref: EEN-ACOD)** thus providing one antenna for entry to and another for exit from the car park. This will be the case for solid metal doors on the car park or where the "ENTRY" access is at some distance from the "EXIT" access

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Operation of the red LED

State	Correspondence
1 flash every 3 seconds	*New unit***:** The unit works with all Intratone remote controls whether or not they are programmed. *This state allows the installation of the car park control unit to be tested.*
2 flashes every 3 seconds	*Unit in operation:* The control unit works with the remote controls programmed for residents from the www.intratone.com website. Access control is enabled. Only the owner administrator of the unit may authorise remote controls for this unit.
Permanent slow flashing	*Pass option enabled*: (See below).
Light on for 1 second	*RF reception from a remote control* .
Fast flashing for 10 seconds	*Activation of the central unit*.
Fast flashing for 2 to 3 seconds	*Programming of a new remote control*.
Permanent fast flashing	*Memory not present or invalid*.

Activating the control unit

To activate the unit, the remote controls must be programmed from the www.intratone.com website:
- ➢ **Locate the serial number of the unit you wish to activate.**
- ➢ Log onto the www.intratone.com website using your login and password or by opening an account ("create an account" button).
- ➢ Create a residence, then a "car park control unit" access type by entering the unit's serial number.
- ➢ Then program the remote controls that you will distribute to the residents.
- ➢ They will automatically open the accesses controlled by the control unit. The first of them will activate the control unit.

If you need to program pass remote controls, you will need to enable the pass option by programming a specific remote control on the website ("Enable Pass Option" button on the screen of the unit in question)

For further information, contact Intratone support on 00 33 2 51 65 51 84.

Reset procedure using the pushbutton

WARNING:
On completing this procedure, all Intratone remote controls will open the accesses controlled by the car park control unit. "Access control" is no longer enabled. The car park control unit will have returned to its unused state.

To proceed with the reset, do the following:
- ➢ Press the car park control unit's pushbutton (the LED goes on) and hold it pushed down until the LED flashes.
- ➢ Repeat this step twice until the LED flickers.
- ➢ As soon as the LED flashes every 3 seconds, the reset has been completed and the car park control unit has returned to its unused state.

Switches

☞ The position of the switches is shown on the diagram on page 1, i.e. the switches are located on the upper part of the car park control unit.

☞ They are numbered from right to left and from 1 to 8.

☞ The OFF state is the high position, whereas the ON position is the low position. The car park control unit is supplied with the 8 switches in the OFF position corresponding to the following operation:
  ➢ The relays are set to 5-second unlock times
  ➢ No vehicle detection loop
  ➢ No antipass-back
  ➢ Unit set for the I (ENTRY) and II (EXIT) buttons of the remote controls.

☞ **For 2-button remote controls**: the left button triggers the ENTRY relay while the right button triggers the EXIT relay (if the remote control is authorised for this car park control unit).

☞ **For 4-button remote controls**:
  ➢ *Switch 8 in the OFF position*: button I for the ENTRY relay and button II for the EXIT relay (if the remote control is authorised for this car park control unit)
  ➢ *Switch 8 in the ON position*: button III for the ENTRY relay and button IIII for the EXIT relay (if the remote control is authorised for this car park control unit)

Setting of the door unlock time

Switch 3	Switch 2	Switch 1	Unlock time of the "ENTRY" and "EXIT" relays
OFF	OFF	OFF	Unlock time of the relays set to **5 seconds**.
OFF	OFF	ON	Unlock time of the relays set to **0.2 seconds**.
OFF	ON	OFF	Unlock time of the relays set to **1 second**.
OFF	ON	ON	Unlock time of the relays set to **3 seconds**.
ON	OFF	OFF	Unlock time of the relays set to **10 seconds**.
ON	OFF	ON	Unlock time of the relays set to **15 seconds**.
ON	ON	OFF	Unlock time of the relays set to **30 seconds**.
ON	ON	ON	Unlock time of the relays set to **60 seconds**.

Channel authorised on the unit

Switch 8	Vehicle detection loop
OFF	Buttons I and II of the 4-button remote controls. Left and right buttons of 2-button remote controls
ON	Buttons III and IIII The 2-button remote controls do not operate this mode

Anti-passback

Anti-passback controls the 2 ENTRY and EXIT doors to prevent repeated attempts at accessing the ENTRY door. The resident must therefore have left via the EXIT door before again being allowed access to the car park via the ENTRY door.

The anti-passback function works by setting an anti-passback time during which any new attempt to gain access via the ENTRY door is systematically denied. Access via the ENTRY door will be authorised again, either after this time has expired, or once the resident has left via the EXIT door.

The anti-passback function is only activated with the combined use of ENTRY and EXIT vehicle detection loops, and it only works with remote controls programmed to work with the anti-passback function (see www.intratone.com). This function does not concern any remote controls not programmed to work with anti-passback.

Anti-passback access conditions are set fully using switches 5, 6 and 7.

On each power up, the anti-passback conditions are cancelled. The current anti-passback waiting times may be cancelled at any time by setting the 3 switches 5, 6 and 7 to the OFF position.

Note: The anti-passback functions are also cancelled whenever switches 5, 6 and 7 are switched.

Vehicle detection loops for anti-passback

Switch 4	Vehicle detection loop
OFF	Normally Closed or no loop fitted.
ON	Normally Open or with a loop fitted.

Anti-passback times

Switch 7	Switch 6	Switch 5	Anti-passback times
OFF	OFF	OFF	**No anti-passback handling.**
OFF	OFF	ON	Anti-passback time set to **5 minutes.**
OFF	ON	OFF	Anti-passback time set to **10 minutes.**
OFF	ON	ON	Anti-passback time set to **15 minutes.**
ON	OFF	OFF	Anti-passback time set to **30 minutes.**
ON	OFF	ON	Anti-passback time set to **45 minutes.**
ON	ON	OFF	Anti-passback time set to **60 minutes.**
ON	ON	ON	**Permanent anti-passback** (Obligation to leave before being able to enter again).

Note: anti-passback times are indicative and may vary by +/- 1 minute.

Sizes