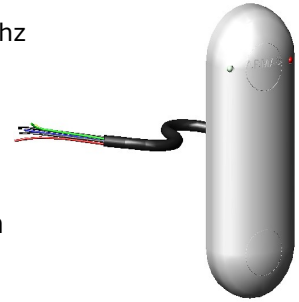


PROXY-06

Stand-alone proximity reader, 1 relay, 60 users

It can manage proximity tags and cards RFID working at 125 KHz



Technical features:

- Power supply: from 12 to 28 V ac/dc
- 1 x relay: 2A – 28V
- Relay's timing: bistable, impulsive or dead man function
- Reading distance: 4 to 8 cm
- Number of users: 61
- auto-memory function: It automatically stores users in transit.
- dimensions: 115 x 42 x 20 mm
- 2 signalling LEDs (one free for user's choice)
- Anti-vandalism polycarbonate case
- Electronic circuit fully potted (IP67)

Proxy-06 can read any kind of proximity tag and card, **read only** as well as **read & write**, working at **125 KHz** and compatible with Armas, Em Marine protocols.

Proxy-06 can be easily programmed by **POLITOOL**. This handle device can programme the relay's timings, can set the working of the red LED, can make an addressed erasing and can activate other important functions. In alternative, if **POLITOOL** is not available, it is possible to use **special tags and cards-tool** (created by a **POLITOOL**) that allow to programme **Proxy-06** functions.

Storing cards and tags: total erasing and programming

First of all, make a **total erasing** of the memory of **Proxy-06** as follow:

- 1.give power supply to **PROXY-06**
- 2.Touch quickly together for 10 times the **YELLOW** and the **BLACK** wires. Each contact and each pause must have a **length included** between 0,5 and 2 seconds.
- 3.After this operation, isolate the yellow wire.
- 4.At the end, the red LED flashes slowly to indicate the programme mode has began.
- 5.Bring near to the reader the tags and cards you want to store, one per time, until a maximum of 61 users.
- 6.The first card or tag is the **MASTER** of the system.
- 7.When a card / tag is correctly stored, the red LED will flash quickly.
- 8.To exit programme mode, bring near the reader a card / tag already stored.
- 9.At the end, the red LED will switch-off, or it indicates the status of the relay (if this function is programmed).

Signalling LEDs

The transparent LED when illuminated becomes green. It is free for the user's choice.

The red LED has two functions:

- It helps the user during programme mode.
- Out of programme mode, it signals the relay's status (if this function is programmed) or it remains switched-off.

The **red LED** can be programmed as follows:

- Illuminated** when the relay is activated (direct signalling) = function n°3210 of **POLITOOL**
- Switched-off** when the relay is activated (inverse signalling) = function n°3211 of **POLITOOL**
- Always switched-off** = function n°3212 of **POLITOOL**

To **programme the red Led**, operate as follows:

- 1Keep **MASTER card / tag** against the reader for at least 6 seconds to enter in programme mode, as the red LED begins to flash.
- 2Bring near the reader the **POLITOOL** set on the number of the desired function or bring near the reader a card-tool with the same function number.
- 3To exit programme mode, bring near the reader a card / tag already stored.

In any time it is possible to re-programme the red LED functions.

Relay's timings

PROXY-06 comes out from the factory with the relay's timing set on "**dead man function**": that means the relay will be activated as long as you keep near the reader a valid card / tag.
It is possible to change the relay's timing using a POLITOOL or using a card-tool with the imposed time.
There are 199 possible different timings.

Timings with "**direct impulse**" (the relay closes the contact)

0.25 sec	POLITOOOL or card-tool	n°	3000
1 sec			3001
2 sec			3002
3 sec			3003
and so on			30xx
98 sec			3098
dead man			3099

Timings with "**inverse impulse**" (the relay opens the contact)

0.25 sec			3100
1 sec			3101
2 sec			3102
3 sec			3103
and so on			31xx
98 sec			3198
dead man			3199
bistable (permanent)			3200

How to change the relay's timings

Example: to set a direct impulsive timing of 5 sec.:

1 Enter programme mode via **MASTER**, keeping it near the reader for 6 sec.

2 As the red LED begins to flash, bring POLITOOL near the reader set on the number **3005** (or use a card-tool n°3005).

3 To exit programme mode, bring near the reader a card / tag already stored.

It is not possible to change the relay's timing without using a POLITOOL or a card-tool.

Storing additional cards / tags in the memory

1 Enter programme mode via **MASTER**, keeping it near the reader for 6 sec.

2 As the red LED begins to flash, bring near the reader the new cards / tags to store, one at the time.

3 To exit programme mode, bring near the reader a card / tag already stored.

4 If the memory is full (61 cards), the reader automatically exit programme mode.

Addressed erasings

It is very important to log the names correspondent to the locations of cards and tags during the first memorisation in to the reader. This operation will allow you to make an addressed erasing in the system.

To make an addressed erasing:

1. Enter programme mode via **MASTER**, keeping it near the reader for 6 sec.
2. As the red LED begins to flash, bring POLITOOL near the reader set on the number correspondent to the card you want to erase (or use a card-tool with the same log number).
3. The red LED flashes to confirm you the correct operation.
4. If you store a new card, that will occupy the location just erased before.
5. If required, proceed with other addressed erasings.

ATTENTION:

If you **loose MASTER** it is not possible to erase it because, without MASTER, is not possible to enter

in programme mode. In this case, it's necessary to make a total erasing of the memory using the procedure with the yellow and black wires.

Nevertheless, if you **still have MASTER**, it is possible to make an addressed erasing of MASTER and replace it with a new MASTER card / tag. The location of MASTER is **0001**.

Total erasing via POLITOOL or via card-tool

There is another way to make a total erasing of the memory besides the operation made with the yellow and black wires. This total erasing can be done via POLITOOL:

1. Enter programme mode via **MASTER**, keeping it near the reader for 6 sec.
2. As the red LED begins to flash, bring POLITOOL near the reader set on the number **3999** (or use a card-tool with the same **3999**)
3. The red LED flashes to confirm you the reader is ready to store other new cards and tags.

"Auto-memory" Function

Sometimes it could be useful to allow the transit of the users and, in the same time, to store their cards into the memory of the reader. Of course, this operation may have the risk to have in the memory some undesired users.

Auto-memory function can be activated in any time, to store the 61 cards or to add other cards in the memory. This function is activated via POLITOOL set on the number **3201 = auto-memory ON** (or using the card-tool with number 3201) and it is deactivated by the number **3202 = auto-memory OFF**.

If the memory of the reader is filled by the users in transit, the auto-memory function will automatically stop (full memory).

"Auto-memory" function programming

Starting from a total erasing:

1. give power supply to PROXY-06.
2. Touch quickly together for 10 times the YELLOW and the BLACK wires. Each contact and each pause must have a **length included** between 0,5 and 2 seconds.
3. After this operation, isolate the yellow wire.
4. At the end, the red LED flashes slowly to indicate the programme mode has began.
5. Bring near the reader the POLITOOL set on the number **3201 = auto-memory ON**
6. The **red LED remains illuminated** as long as the auto-memory function is ON.
7. Bring near the reader and store the **first card (Master)**. Keep this card for any operation to be done on the reader in the future.
8. Any time a card is read, even if it has already been stored or not, the relay will activate. Each card is stored only once.
9. **To stop the "auto-memory" function:** enter in programme mode via **MASTER** then bring near the reader the POLITOOL set on number **3202 = auto-memory OFF**
10. The red LED flashes for a while, then indicates the relay status (if this function is programmed) or it switches-off.

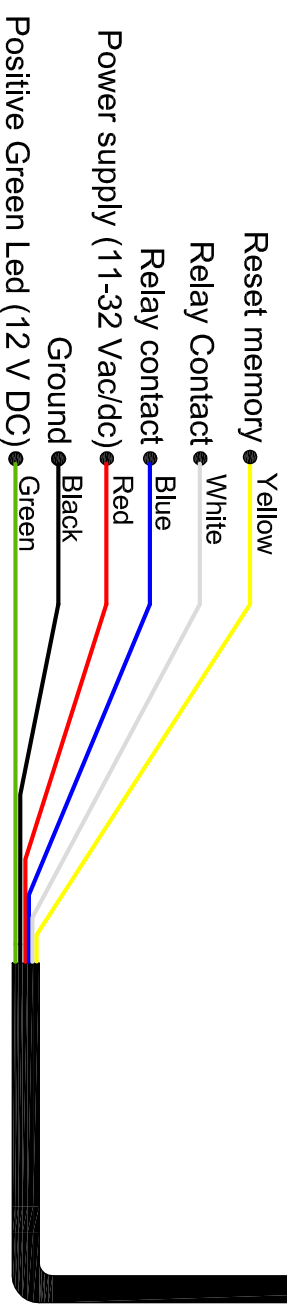
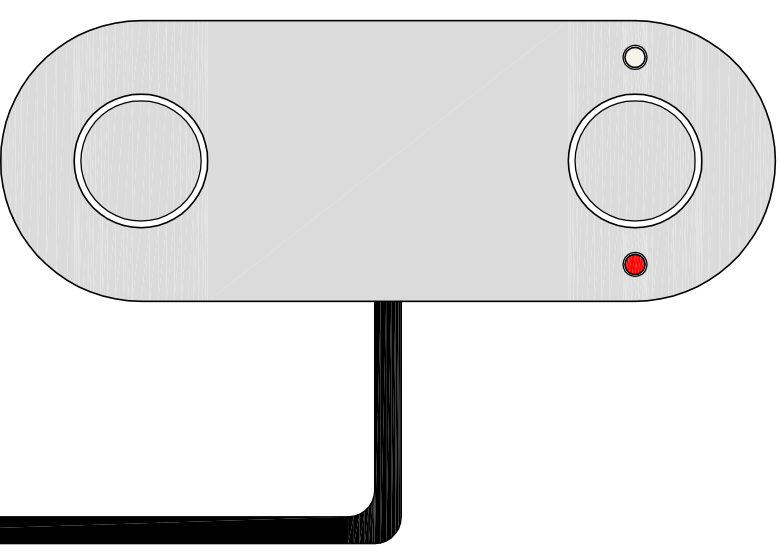
Auto-memory function to store other cards:

- Enter programme mode via **MASTER**, keeping it near the reader for 6 sec.
- Bring near the reader the POLITOOL set on the number **3201 = auto-memory ON**
- The **red LED remains illuminated** as long as the auto-memory function is ON.
- Any time a card is read, even if it has already been stored or not, the relay will activate. Each card is stored only once.
- **To stop the "auto-memory" function:** enter in programme mode via **MASTER** then bring near the reader the POLITOOL set on number **3202 = auto-memory OFF**
- The red LED flashes for a while, then indicates the relay status (if this function is programmed) or it switches-off.

ATTENTION:

Whenever the auto-memory function is ON, it is not possible to unblock this function by a total erasing neither by switching-off the power supply!

Stand-alone Proximity reader **PROXY06**



ARMAS