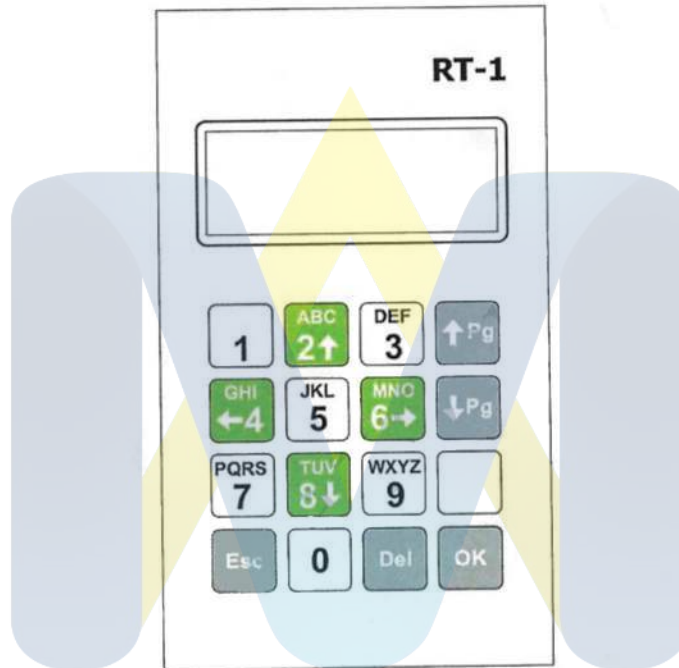


# Maintenance Tool RT-1



*margalift.com*  
**User Manual**

[www.margalift.com](http://www.margalift.com)

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**1 Introduction**

The Maintenance Tool RT-1 allows the connection to lift controllers of Arca I and Arca II series.

The following figure shows an image of the tool after its connection to a lift controller board. The terminal displays the version and serial number, and now the whole device can be used.



Front Terminal RT-1

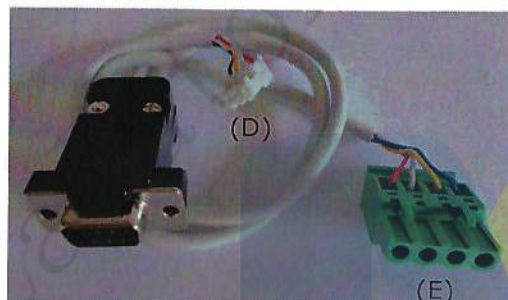
To connect the tool to the Controller boards Series II, we have to directly use a male connector DB-9 coming with the tool.

To be used with Series I, the connection is done using a DB-9 FF adaptor (A) supplied with the tool.

The adapter (B) is used to connect to the extension boards (D), the auto-diallers (E), etc.



(A)



(B)

### 1.1 Keyboard

It has a 16-key tactile keyboard, corresponding to the digits 0 .. 9 and the remaining five functions: Delete (DEL), Page Down (↓Pg), Page Up (↑Pg), Cancel (Esc) and OK.

In some cases, the numeric keys are also used to enter alphanumeric characters.

The keys (2) and (8) serve to go up and down respectively on the tree menus. Likewise, the keys (4) and (6) are used to reposition the cursor to the left and right respectively.

## 2 Startup Screen

When connecting the maintenance tool RT-1 to the controller board, it will then turn on showing the version and the serial number.

```
RT-1 v1.01.00
ID: 0DF35D
Key 1 searches type2
other searches type1
```

The user must press key (1) to start searching for Arca II, or any other key to start searching for Arca I.

While searching for the controller board, the user can see a screen showing the progress of the operation. An example is shown in next image.

```
Searching type2...
```

If the user selects to search for Arca I and the RT-1 does not find the controller, it continues searching for Arca II.

### 3 Menu of each lift controller

#### 3.1 Arca I Controller

When communicating with a Type I lift controller, we will see the following screen.

```
Controller
Enter access code:
> 0<
```

This screen shows that the RT-1 has found a controller board, and it asks for the "password" of the controller.

Once we press the key (OK), we can enter the password and validate the data pressing again the key (OK).

If the entered password is correct, we will access the Type I board main menu directly. Otherwise, we will see the entered password.

**Note:** If you don't know the password to enter into the controller, the RT-1 can search for it. You must fail 3 times with the password 6, and then try again with the password to start searching for (for example, 0).

Example:

```
OK, 6, OK (1st fail)
OK, 6, OK (2nd fail)
OK, 6, OK (3rd fail)
OK, 0, OK. It starts searching at 0.
```

If the entered password is correct then the main menu screen of the lift controller is shown. It is a screen similar to the one shown below.

```
* CONTROLLER TYPE1 *
>1-Faults
 2-Statistics
 3-Variables
```

Scrolling with the Down button (8), we can see the other menu options as shown below.

```
* CONTROLLER TYPE1 *
>4-Functions
 5-Parameters
 7-Assembly
```

The functionality of each menu is explained in the lift controller manual. Please consult that manual.

### 3.2 Arca II Controller

If an Arca II board is found, the RT-1 tool will directly show the "Presents" menu.

```
*1. PRESENT DEVICES*
>1-Controller (0)
 2-Extensions
 3-Autodialler (0)
```

This screen shows all devices of the installation connected to the CAN Bus.

If we do select one of the shown devices and validate it with (OK), we will be able to Access that device.

For example, if we do select the Controller entry, we will move on to the login screen of the Arca II Controller, similar to the one shown below.

```
Controller
Enter access code:
> 0<
```

**Note:** If you don't know the password to enter into the controller, the RT-1 can search for it.

You must fail 3 times with the password 6, and then try again with the password to start searching for (for example, 0).

Example:

```
OK, 6, OK (1st fail)
OK, 6, OK (2nd fail)
OK, 6, OK (3rd fail)
OK, 0, OK. It starts searching at 0.
```

If we press (OK), and enter the password and confirm (OK) it, we will have access to the Arca II main menu board configuration if we did enter the correct password. Then we will see a display like the one shown below.

```
* CONTROLLER TYPE2 *  
>1-Faults  
2-Statistics  
3-Variables
```

Scrolling down with the Down key (8), we can see the other menu options as shown below.

```
* CONTROLLER TYPE2 *  
4-Functions  
5-Parameters  
>7-Assembly
```

The functionality of each menu is explained in the lift controller manual. Please consult that manual.

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