



**⚠️ DANGER**

**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Read and understand this quick start guide before performing any procedure with this drive.
  - The user is responsible for compliance with all international and national electrical code requirements with respect to grounding of all equipment.
  - Many parts of this drive, including the printed circuit boards, operate at the line voltage. **DO NOT TOUCH.** Use only electrically insulated tools.
  - **DO NOT** touch unshielded components or terminal strip screw connections with voltage present.
  - **DO NOT** short across terminals PA/+ and PC/- or across the DC bus capacitors.
  - Before servicing the drive:
    - Disconnect all power, including external control power that may be present.
    - Place a "DO NOT TURN ON" label on all power disconnects.
    - Lock all power disconnects in the open position.
    - **WAIT 15 MINUTES** to allow the DC bus capacitors to discharge.
    - Measure the voltage of the DC bus between the PA/+ and PC/- terminals to ensure that the voltage is less than 42 Vdc.
    - If the DC bus capacitors do not discharge completely, contact your local Schneider Electric representative. Do not repair or operate the drive
  - Install and close all covers before applying power or starting and stopping the drive.
- Failure to follow these instructions will result in death or serious injury.**

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this product.

The devices are provided with software integral overload and over speed protection for the motor. Protection at 110% of the full load motor current. The motor thermal protection current (I<sub>th</sub>) must be set to the rated current indicated on the motor nameplate. (For detail see the programming manual BBV19478).

Information below describes the main steps from the unpacking to the first power on of the drive. In any case, consult the latest updated drive technical publications on [www.schneider-electric.com](http://www.schneider-electric.com)

Consult the ATV71 installation manual (1755843) and apply the equivalence table below to get the ATV LIFT data:

ATV LIFT	ATV71 equivalence	
	Current characteristics	Weight, dimensions and power terminal
ATV71LD27M3Z	ATV71HU55M3	ATV71HD11M3X
ATV71LD33M3Z	ATV71HU75M3	ATV71HD11M3X
ATV71LD54M3Z	ATV71HD11M3X	ATV71HD18M3X
ATV71LD66M3Z	ATV71HD15M3X	ATV71HD18M3X
ATV71LD10N4Z	ATV71HU40N4	ATV71HU55N4
ATV71LD14N4Z	ATV71HU55N4	ATV71HU55N4
ATV71LD17N4Z	ATV71HU75N4	ATV71HD11N4
ATV71LD27N4Z	ATV71HD11N4	ATV71HD15N4
ATV71LD33N4Z	ATV71HD15N4	ATV71HD15N4
ATV71LD48N4Z	ATV71HD22N4	ATV71HD22N4

## 1 Check the delivery of the drive

- Remove the drive from the packaging and check that it has not been damaged.

**⚠️ WARNING**

**DAMAGED DRIVE EQUIPMENT**

Do not operate or install any drive or drive accessory that appears damaged. **Failure to follow these instructions can result in death, serious injury, or equipment damage.**

- Check that the drive reference printed on the label is the same as that on the delivery note corresponding to the purchase order.

Write the drive Model Reference: \_\_\_\_\_ and Serial Number: \_\_\_\_\_



## 2 Check the line voltage compatibility and the motor current compatibility.

- Consult the ATV71 installation manual (1755843) on [www.schneider-electric.com](http://www.schneider-electric.com)
- Commercial reference construction: ATV71LD $xx$  $yy$ Z where:
  - $xx$  : Maximum continuous current at nominal voltage.
  - $yy$  : Three phase supply voltage M3 = 200...240V & N4 = 380...480V.

## 3 Mount the drive

- Consult the ATV71 installation manual (1755843) on [www.schneider-electric.com](http://www.schneider-electric.com)

## 4 Connect the drive: Power terminals

- Consult the ATV71 installation manual (1755843) on [www.schneider-electric.com](http://www.schneider-electric.com)
- Check circuit breaker rating (See the catalog on [www.schneider-electric.com](http://www.schneider-electric.com)) or fuse rating (See on the drive nameplate).

## 5 Connect the drive: Control terminals

- Consult the ATV71 installation manual (1755843) on [www.schneider-electric.com](http://www.schneider-electric.com)

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### **HAZARD OF FIRE OR ELECTRIC SHOCK**

- To avoid overheating or loss of contact, connections must be carried out according to the cable sizes and tightening torques visible on the label stuck on the ATV●●.
- The use of multi-wire cable without a lug is forbidden for the mains connection.
- Carry-out a pull out test to check that terminal screws are correctly tighten.

**Failure to follow these instructions will result in death or serious injury.**

## 6 Apply power to the drive

- Consult the ATV71 installation manual (1755843) on [www.schneider-electric.com](http://www.schneider-electric.com)
- At first power up, drive displays its drive state.

## 7 Set lift application parameters.

- Consult the ATV LIFT programming manual (BBV19478) on [www.schneider-electric.com](http://www.schneider-electric.com)

## 8 Start the fine tuning of the application

- Consult the ATV LIFT programming manual (BBV19478) on [www.schneider-electric.com](http://www.schneider-electric.com)

# 9 Annex: Menu structure

## 9.1 Access level

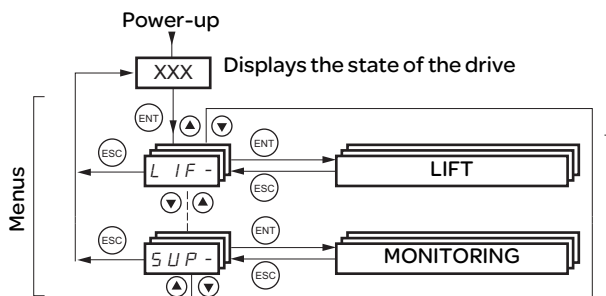
Graphic display terminal	Integrated display terminal	Access level		
<p>[2 ACCESS LEVEL]</p> <p>[3 OPEN/SAVE AS]</p> <p>[4 PASSWORD]</p> <p>[5 LANGUAGE]</p> <p>[1 DRIVE MENU]      [1.1 LIFT]</p> <p>                          [1.2 MONITORING]</p> <p>                          [1.3 SETTINGS]</p> <p>                          [1.11 IDENTIFICATION]</p> <p>                          [1.12 FACTORY SETTINGS]</p> <p>                          [1.13 USER MENU]</p> <p>A single function can be assigned to each input.</p>	<p><i>L A C</i> - (Access level)</p> <p>-</p> <p><i>C O d</i> - (Password)</p> <p>-</p> <p><i>L I F</i> - (Lift)</p> <p><i>S U P</i> - (Monitoring)</p> <p><i>S E t</i> - (Settings)</p> <p>-</p> <p><i>F C S</i> - (Factory settings)</p> <p><i>U S r</i> - (User menu)</p> <p>A single function can be assigned to each input.</p>	Basic <i>b R S</i>	Standard <i>S E d</i> (factory setting)	Advanced <i>R d U</i>
<p>[1.4 MOTOR CONTROL]</p> <p>[1.5 INPUTS / OUTPUTS CFG]</p> <p>[1.6 COMMAND]</p> <p>[1.7 APPLICATION FUNCT.]</p> <p>[1.8 FAULT MANAGEMENT]</p> <p>[1.9 COMMUNICATION]</p> <p>[1.10 DIAGNOSTICS]</p> <p>[1.14 PROGRAMMABLE CARD] (1)</p> <p>[6 MONITORING CONFIG.]</p> <p>A single function can be assigned to each input.</p>	<p><i>d r C</i> - (Motor control)</p> <p><i>I - O</i> - (I/O configuration)</p> <p><i>C E L</i> - (Command)</p> <p><i>F U n</i> - (Application functions)</p> <p><i>F L t</i> - (Fault management)</p> <p><i>C O n</i> - (Communication)</p> <p>-</p> <p><i>P L C</i> - (Controller Inside card) (1)</p> <p>-</p> <p>A single function can be assigned to each input.</p>			
<p>[7 DISPLAY CONFIG.]</p> <p>Several functions can be assigned to each input.</p>	<p>-</p> <p>Several functions can be assigned to each input.</p>			
<p>Expert parameters</p> <p>Several functions can be assigned to each input.</p>	<p>Expert parameters</p> <p>Several functions can be assigned to each input.</p>			

(1) can be accessed if the Controller Inside card is present.

## 9.2 Example : Accessing LIFT menu and parameters.

A dash appears after menu and submenu codes to differentiate them from parameter codes.



Example: [1.1 LIFT] (*L I F*-), [Motor torque] (*tqS*) parameter.



Refer to the ATV LIFT programming manual (BBV19478) for comprehensive menu description.

## 9.3 ATEX & CE certificates.

www.schneider-electric.com → ATV LIFT

 ATV71L CE Certificate	 07ATEX0004X
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