

Preassembled Installation

ECO Hydraulic

Direct Start



The SmartLift® ECO advanced controller is designed for low cost applications. It fulfils the actual Standards and it has been designed to make its installation as simple as possible for traction or hydraulic installations up to 5 stops and 1m/s.

The controller's parameters are programmed with the programming console MM0054.

It is based on a microcontroller that has a 4 digits 7 segments display that permits to modify the controller's parameters when it is in Inspection mode. When it is in Normal mode, the display shows the floor where the lift is and the possible installation events.

As it has been designed on a multilayer printed circuit, it has the maximum protection and immunity against the electromagnetic interferences.

It can be used for electrical, electronic (Inverter and servo) or hydraulic lifts.

It has been designed according to all the actual safety standards and the exceptions for reduced escape or pit.

The SmartLift® ECO can be used for simplex lifts with universal manoeuvre or down collective.

As it can work with CAN bus, the number of cables has been reduced to the minimum so the installation costs are reduced.

Features

- Minimum shaft and car wiring
- Configuration for two door operators independent for each floor
- Car Light timer
- Intelligent battery charger
- The same control board can be used for all types of lift. This eliminates the necessity of having different replacements
- Clamp connectors with different colours to avoid connection's errors.
- Monitoring of all the I/O and control signals with LEDs. This permits to check the status of the lift with a "simple look"
- Environment temperature control and relay to control the phase sequence included on the controller
- Real time clock
- Low weight and reduced dimensions to handle it easily.
- One single 24 wires travelling cable. The number of stops does not modify the travelling cable.
- Fast shaft wiring without ducts due to the KonboX shaft wiring system
- Simple and fast RJ45 connections for car pushbuttons and displays
- LED to indicate the floor level outside the control cabinet
- Emergency recovery function
- Automatic rescue with an emergency battery when there is a power failure.

Operation duties

Motor Power	Rated Current at 380/400 V	Cabinet dimensions	P/N
Up to 15Cv/11kW*	22A	600 x 400x 180	EA3
Up to 20Cv/15kW	40A	600 x 400x 180	EA5

Motor Power	Rated Current at 230 V	Cabinet dimensions	P/N
Up to 5,5Cv/4kW*	22A	600 x 400x 180	EA3
Up to 10Cv/7,5kW	40A	600 x 400x 180	EA5

Fulfils with current European Standards:

- EN81/2
- EC 95/16 Lifts' Directive
- EN 81/70
- EN 81/28
- EN 81/72
- EN 12015
- EN 12016
- EN 50178

Power Supply	230/400 V
Errors monitoring	4 digits numerical display on the control board to display the errors of the installation. This can be also checked with the programming console
Safety circuit	110/230V _{AC}
Selectivity	Universal or down selective
Standard output for the brake	48, 60, 110, 190V _{DC} y 230V _{AC}
Password to modify the lift programming	6 digits with 2 different level access: supervisor and technician
Installation events	The last 32 installation events are registered with the time when they occurred
Programming console	PDA and bluetooth adapter or through the RS485 communication port
Standard exception	Prepared for installation with reduced pit and escape
Connection	Simplex