

# COMPACT AND EASY TO INSTALL

# CONNECT ACCESSORIES WITH EASE

# PLUG AND PLAY FUNCTIONALITY



### UC-60 A REVOLUTION IN CONTROLLING LIFTING PRODUCTS

EdmoLift proudly presents the latest innovation for controlling lifting products. The UC-60 gives us new possibilities, will enhance safety and facilitate the supply chain and service for standard and customised lifting products.

After more than 5 years investment in R&D, the revolutionary electrical system UC-60 is now revealed; an electrical system that will replace all 60 different electrical systems used on EdmoLift products today.

The new electrical system is applicable on all products in the EdmoLift product range and comes with 15 preinstalled programs plus one for customised setup as standard.

UC-60 is unique in the industry and holds a great technological advantage against our competitors.

The UC-60 enables the operator to program their desired functions with ease e.g. setting the higher and lower bounds of a limit switch to restrict the lifts movement. UC-60 also simplifies the installation and service work since there is no need to open the electric box when installing accessories such as sensors, control units etc. To install more control units; simply plug a branch cable in the M12 connector on the electric box and then desired number of control units (max 4 units) and it's done, no other manual work is necessary.

The standard control unit has a built in buzzer function which makes it easy to determine if the accessory is correctly installed. When a new accessory is installed; you can get feedback with various sounds to confirm if the installation was successful or not. One benefit of this is the possibility to get quick remote support via the telephone instead of waiting for a support technician.

*UC-60 gives a lean supply chain for electrical systems and spare parts since it's the same equipment for most applications.*

## A breakthrough innovation

### PRODUCT FEATURES

- UC-60 has only two models, standard and advanced; instead of 60 different models used in the past.
- UC-60 is equipped with M12 standard connectors which enable a wide range of Plug and Play accessories; such as sensors, cables, inductive switches, new control units etc. – a unique feature in the industry.
- UC-60 makes customised solutions a standard solution.
- UC-60 simplifies the handling of spare parts.
- UC-60 is compact and easy to install.
- UC-60 provides shorter lead time for customised solutions.
- UC-60 makes it possible for the user to e.g. install more control units without the help of a technician.
- UC-60 has an integrated buzzer function in the control unit for communication between the operator and the system; no need to open the electric box when installing new accessories.
- UC-60 has stabilised internal VDC with properly secured connections and improved ESD protection.
- UC-60 3-phase model can handle any voltage between 3-230 and 3-500 without any changes in the electrical box.

*EdmoLifts current range of accessories and spare parts is also available for the UC-60 electric system.*

### TECHNICAL DESCRIPTION

- Standard operating voltage: 1-230, 3-230, 3-400 and 3-500
- Stabilised 24V DC 60 VA transformer
- IP-Classification: IP 54, M12 connectors IP 67
- Electric box size, L:270 x H:85 x B:135 mm

#### M12 Connectors

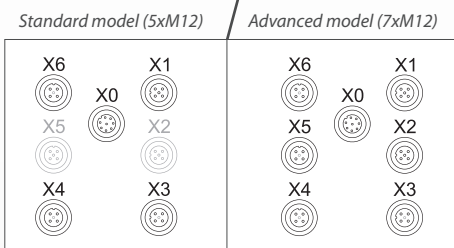
The advanced model of UC-60 has a total of seven M12 connectors; one M12 8-pin connector for the control unit, the other six are M12 5-pin connectors. Two of the 5-pin connectors handle three signals each; the other three 5-pin connectors handle two signals each, input or output signal depending on the connected hardware. Some of the connectors can also be programmed to function as outputs instead of inputs.

*The standard model has a total of 5 M12 connectors.*

#### Standards

Quality assurance and compliance with existing standards is an essential part of product development at EdmoLift; we certify that the new UC-60 electrical unit fully meets the following standards:

- EN 61000-6-2 (radiation immunity)
- EN 61000-6-4:2007 EMC (Electromagnetic radiation)
- EMC2004/108/EC
- EN 60204-32
- EN 418



#### Standard lift table, connection example

- X0 Control unit
- X1 Powerpack valve / Hose burst valve
- X2 N/A
- X3 End limit switches
- X4 Passable limit switches
- X5 N/A
- X6 Safety frame + Hose burst valve

UC-60 standard control unit



Accessory  
Bracket for control unit  
art.no: 600205