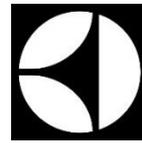


# Instruction & Operation Manual

## ELX Interface Box, 230VAC 24VDC



# Electrolux

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### 1. Description

The Electrolux Interface Box is a wall mounted enclosure powered by the mains voltage, containing an Interface with an incoming RJ45 cable from the Efficient Dosing System (EDS) and a Multi-Core (7) Cable with the corresponding outputs. It is designed to power the EDS controller and supply low power signals to an existing Pump stand, which can be set to receive them.



**The signals are for triggering the device and are not designed to carry any power.  
The maximum signal current covering all signal wires is 230mA.**

### 2. Pre Installation Site Survey

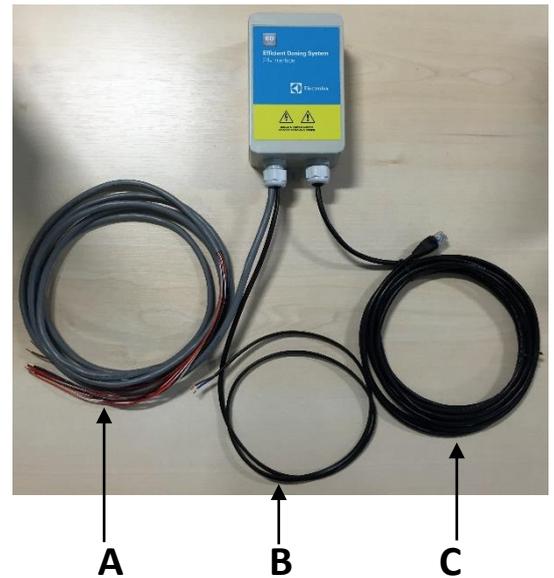
- Before an installation commences it is advisable to complete a site survey to ensure the Interface box can be installed in a position that meets all of the requirements listed below.
- The unit must not be installed near areas that suffer excess temperature changes, direct sunlight, frost or precipitation of any kind.
- The unit must be mounted on a suitable wall that is flat and perpendicular to the floor.
- The area the unit operates in must be well lit for maintenance.

### 3. Package Contents

- 230vAC 24vDC Electrolux Interface Box
- Wall Mount Kit (Screws x2, Washers x2, Wall Plugs x2)
- I/O Manual

### 4. Installation

- Locate the interface next to the pump stand, and the machine that will be controlling it.
- Mark the appropriate locations for the mounting hardware.
  - Hole centres are 165mm
- Drill the holes accordingly and insert the anchors (if necessary) and screws provided.
- Connect (C) J1 cable to Efficient Dosing System (EDS).
- Connect (B) Power Cable to 230vAC supply.  
**ISOLATE** this power supply until you have finished installation.  
For External 24V Input, Contact Hydro Systems Europe.
- Connect (A) to the Pump Stand being triggered.
- The unit should be installed by a competent person.



### 5. Wiring Connections



#### CAUTION

Ensure Pump Stand is isolated from all power sources before installation.

Outputs Trigger 8-Core Connections		
Wire Colour	Motor Output	Max. Trigger Signal Load
Black / Black and White	Common	230mA (Total Operating Pumps)
Brown	Pump 1	
Red	Pump 2	
Orange	Pump 3	
Brown and White	Pump 4	
Red and White	Pump 5	
Orange and White	Pump 6	



### CAUTION

Wires left hanging loose may be a tripping hazard, or may accidentally cause the adapter to become unplugged.

The BS EN 60335-1:2002+A2:2006 Standard that this unit conforms to requires a disconnect switch/connection for the 230vAC power supply supplying the unit. If the unit is connected to a system controller, there must be an ability to disconnect power to the interface box to fully comply with the standard.

### 6. Maintenance



- Before carrying out any maintenance or cleaning you must disconnect power supplies from the unit
- The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.

### 7. Specifications

<b>Item Number</b>	90095939
<b>Description</b>	ELX Interface Box, 230VAC 24VDC
<b>Dimensions</b>	150mm H X 100mm W X 60mm D
<b>Weight</b>	0.8Kg
<b>Operating Voltage</b>	230 VAC / 24VDC



### 8. Troubleshooting



#### Warning

- Before carrying out any maintenance or cleaning you must disconnect power supplies from unit
- Do not adjust / rework items not listed in troubleshooting guide below without guidance of Hydro Systems Europe
- All electrical work must be carried out by a qualified electrician

Problem	Cause	Solution
No power to Total Eclipse Controller	a) No mains power b) Fuse in series blown c) Incorrect wiring to mains supply d) Connection to Total Eclipse	a) Ensure mains power supply is connected b) Check fuse and replace if required c) Check wiring to mains supply d) Check plug is inserted into J1 socket on Total Eclipse

### 9. Safety



- Please use this equipment carefully and observe all warnings and cautions.
- Wear PPE when dispensing chemicals or other materials or when working in the vicinity of all chemicals, filling or emptying equipment.



- Always observe safety and handling instructions of the chemical manufacturers.
- Always direct discharge away from you or other persons or into approved containers.
- Always dispense cleaners and chemicals in accordance with manufacturer's instructions.
- Always exercise caution when maintaining your equipment.
- Always re-assemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.
- Keep equipment clean to maintain proper operation.
- You must follow all precautions as advised on the product safety data sheet
- Unit should not be tested without chemical bowl installed

## 10. WEEE - Waste Electrical and Electronic Equipment



WEEE Regulations apply to companies who Manufacture & Distribute electrical or electronic equipment

### WEEE Classification – 10. Automatic dispensers.

The WEEE Regulations apply to importers, producers, retailers and users of EEE, and to businesses that treat or recover WEEE. The Interface unit is a product placed onto market POST 13.08.05, therefore called 'future WEEE'.

As a producer Hydro Systems Europe have the option to take responsibility for the EEE placed on the market. If Hydro Systems Europe chooses to receive WEEE they must make sure that it is disposed of in an environmentally sound way, including the treatment, reuse, recovery and recycling of the components where appropriate.

### Responsibility as a producer of EEE

Hydro Systems Europe as a producer of EEE is registered with a producer compliance scheme who registers them with the relevant environmental regulator. Through the regulator they become part of an approved producer compliance scheme (PCS).

The PCS supply a unique and permanent producer registration number.

If disposal is outsourced it (the product) must be taken to an appropriately licensed site (approved authorised treatment facility - AATF) where it can be treated safely.

### The environmental impacts of the substances in EEE and waste electrical and electronic equipment (WEEE)

The main environmental concerns in the EEE sector stem from soil and water contamination, resource depletion, energy use and waste. At the production stage, obtaining raw material for EEE production consumes a large amount of energy, especially the process of extracting resources, which can also lead to degradation of the surrounding environment.

For instance, when raw material is shipped to a plant, it goes through a complex, high energy-consuming process as it is converted into a finished product. Moreover, as demand for fuel and raw materials increases with the increase in exports, the environmental impact of these factors is also likely to increase.

### The reasons for separating WEEE from other waste

Failing to separate waste properly can be very expensive as the majority of discarded products are shredded into small pieces of material and re-sold as raw material – much of which ends up in the Far East and goes back into manufacturing. If the hazardous components were not separated first the entire batch could be contaminated. This significantly increases the risk of environmental damage and could lead to legal action under hazardous waste regulations.

### The meaning of the crossed out wheeled bin symbol

The crossed out wheeled bin symbol is not intended to indicate to you that WEEE is banned from being disposed of as general waste. Moreover, the intention behind the symbol is that, when coupled with information supplied by distributors as to the availability of recycling facilities, you will be reminded that these facilities exist.

### How they can safely dispose of WEEE for proper treatment

When the product is at its end of life, either contact the Local Authority in charge of electrical disposal, or contact Hydro Systems Europe who will either take the item back from yourself or supply you with relevant information for a local WEEE treatment facility. If asked, Hydro Systems Europe must provide yourself business with:

- Contact information for the EEE producer within Hydro Systems Europe. The producer's compliance scheme is responsible for the end-of-life handling of EEE.
- Records that will help producers to supply their producer compliance scheme with accurate information, for example numbers of sales of EEE to non-household users.

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**As a distributor Hydro Systems Europe have no legal obligation to take back WEEE from business users**  
**[www.hydrosystemseurope.com](http://www.hydrosystemseurope.com)**