



Data Sheet

LogicS-2-xxx-340VA
LogicS-3-xxx-360VA
LogicS-2-xxx-240VA
LogicS-3-xxx-340VA
LogicS-2-xxx-140VA



MOTION FOR YOUR LIFE



Rev 5.0 – 07/2007

Availability and specifications are subject to change without prior notice.
LOGICDATA assumes no liability for maloperation or improper use of products.

LOGICDATA will at point of delivery replace/repair defective products covered by the warranty.

No liability is assumed beyond such replacement/repair.

Please contact **LOGICDATA** directly on inquiries or custom requirements.

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1 Features

- Intelligent System Protection (ISP) – Anti Pinch
- Diagnostic Features
- Drive Comfort
- Motor Autodetection
- AutoMove Function
- Flex Memory
- Pin Code
- QuickFix Mounting



Attention

Do not open the device! Risk of electric shock!

WARNING

Avoid damaging the AC plug and power cord. Never operate this unit if the power cord is damaged. Use only the provided power cord.

Connect the plug only to an electrical source matching the type label.

Never operate this unit until the control box is mounted and fully installed.

Never operate the control box until it is mounted and fully installed.

CAUTION

Do not open this unit. Uninsulated parts within the product's enclosure may expose you to dangerous voltage. Servicing may only be carried out by qualified personnel. Contact LOGICDATA.

To prevent fire or shock hazard, do not expose this device to rain or moisture.

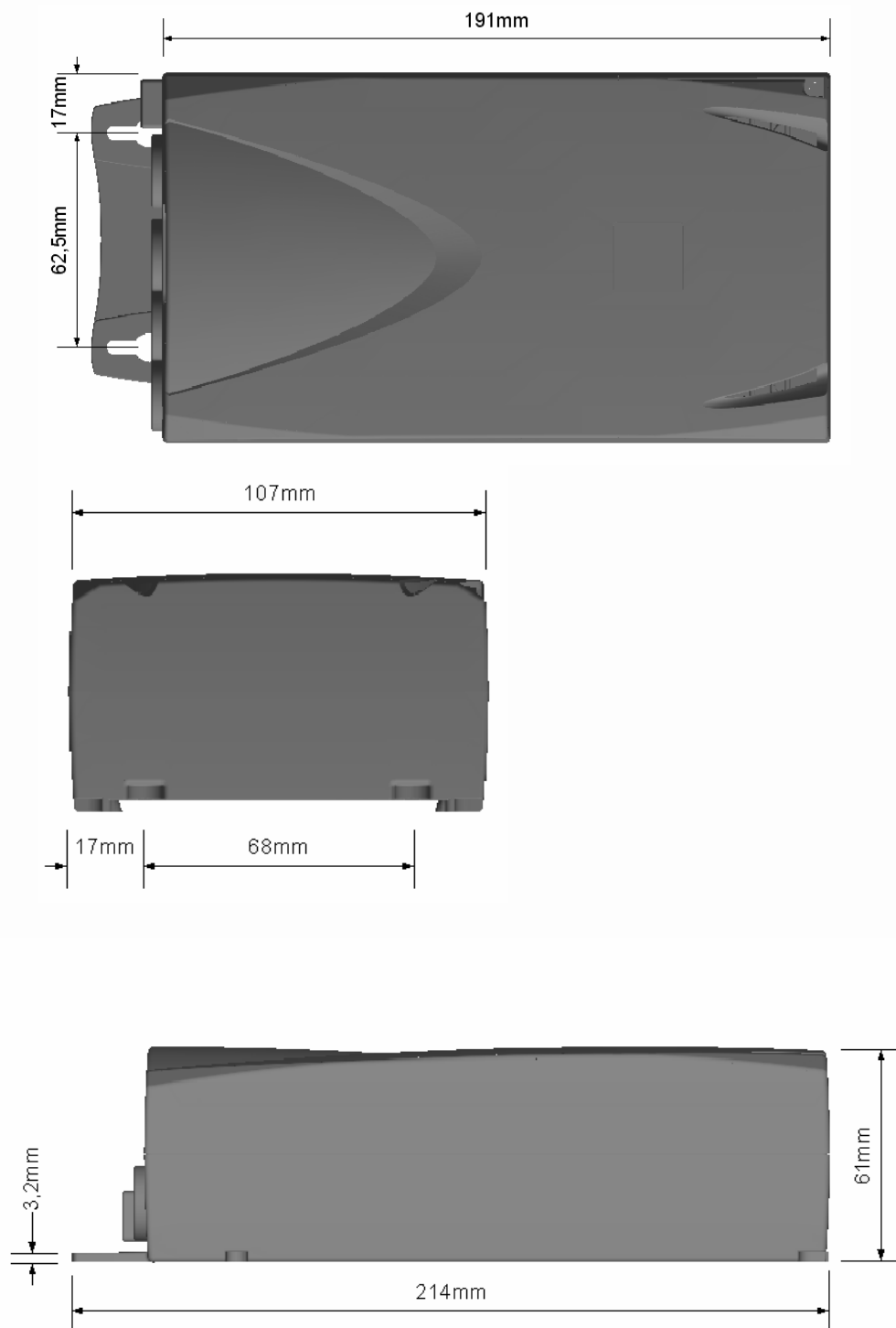
Unplug the power cord before cleaning this unit. Only use a soft cloth, avoid abrasive cleaners.

If you are not using the device for a long period of time, it is recommended to unplug the power cord.

If strange smells or fume occur, unplug the power cord immediately. Contact LOGICDATA.



2 Type and Dimensions



A drill template can be found in the Mounting Instructions, available as separate document.



3 Technical Data

General

Supply Voltage	230V +6/-10% / 50 Hz
Standby-Consumption primary	2-5W
Operating Voltage Electronics	5VDC \pm 5% 150mA
Hall Sensor Operating Voltage	5VDC \pm 10% 150mA
Ambient Temperature	5 - 45 °C
Operation Humidity	5 – 85% (non condensing)
Storage Humidity	5 – 90% (non condensing)
Protection Class (with grounding terminal)	I
Mains Cable	3 m
Dimensions (L, B, H) [mm]	214mm x 109mm x 62mm

Technical Data LogicS-3-XXX-360VA

Switching Capacity 10% (1 min on / 9 min off)	360VA / 11A / 33V @ 25 °C
Switching capacity 5% (30 sec. ON / 9:30 min. OFF)	390VA / 13A / 30V @ 25 °C
Switching Capacity 10% (1 min on / 9 min off)	13A up, 2A down
Weight	2,6kg

Technical Data LogicS-3-XXX-340VA

Switching Capacity 10% (1 min on / 9 min off)	340VA / 11A / 31V @ 25 °C
Switching capacity 5% (30 sec. ON / 9:30 min. OFF)	360VA / 13A / 28V @ 25 °C
Switching Capacity 10% (1 min on / 9 min off)	13A up, 2A down
Weight	2,2kg



Technical Data LogicS-2-XXX-340VA

Switching Capacity 10% (1 min on / 9 min off)	340VA / 11A / 31V @ 25 °C
Switching capacity 5% (30 sec. ON / 9:30 min. OFF)	360VA / 13A / 28V @ 25 °C
Switching Capacity 10% (1 min on / 9 min off)	13A up, 2A down
Weight	2,1kg

Technical Data LogicS-2-XXX-240VA

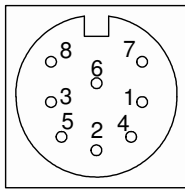
Switching Capacity 10% (1 min on / 9 min off)	240VA / 9A / 27V @ 25 °C
Switching capacity 5% (30 sec. ON / 9:30 min. OFF)	260VA / 11A / 24V @ 25 °C
Switching Capacity 10% (1 min on / 9 min off)	11A up, 3A down
Weight	1,9kg

Technical Data LogicS-2-XXX-140VA

Switching Capacity 10% (1 min on / 9 min off)	140VA / 6A / 24V @ 25 °C
Switching capacity 5% (30 sec. ON / 9:30 min. OFF)	160VA / 7A / 22V @ 25 °C
Switching Capacity 10% (1 min on / 9 min off)	7A up, 4A down
Weight	1,4kg



Motor socket (according to DIN 41524)



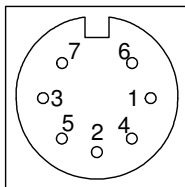
1,7	Motor+	6	Hallsensor 2/ Limit switch 1
2,4	Motor-	8	Hallsensor 1
3	+5V	Shell	Limit switch 2
5	Ground		



Caution

To prevent damage of the unit, use only motors/motorcables suitable for LOGICDATA motor controls.

Handset socket (according to DIN 45329)



1	RxD	5	HS2
2	HS3	6	TxD
3	HS1	7	+5V
4	HS4	Shell	Ground



Caution

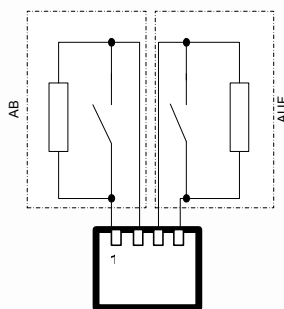
To prevent damage of the unit, take care not to swap the handset and motor plugs.

Color code:

Handset: blue

Motor: Black (or similar)

Squeeze-Line protection RJ10 (input-resistance)



$R_{IN} < 100\Omega$
 $R_{IN} = 1,2k\Omega \pm 10\%$
 $R_{IN} > 5k$

Motor stops (Squeeze Situation)
 Motor will run
 Motor stops (Conductor damage)



Motor Configuration

Control	Motor			Control	Motor		
	1	2	3		1	2	3
LogicS-2	■	■	X	LogicS-3	■	■	■
	■	■	X		■	■	■
	■	■	X		■	■	■
	■	X	X		■	■	■
						X	
						X	
						X	
					X	X	

- synchronous
- parallel
- independent
- X not used

Functionality

- Table height display with configurable offset for 2 motorgroups.
- Compatibility to all LOGICDATA handsets.
- Two free definable motor groups.
- Motor Autodetection.
- Plug detection.
- Configurable stop conditions (overtemperature, overcurrent, timeout, limit switches).
- Configurable reset conditions.
- Hall sensor configuration per motor group (one, two or differential Hall sensors).
- Up to 6 memorypositions (depending on handset).
- Anti-pinch protection with squeeze line.
- ISP (Intelligent system protection).
- Configurable duty-cycle restrictions.
- Pin code lock function.
- Drive back function on various conditions.
- Mains isolation with configurable switch-off time.
- Auto-move function.
- Flex memory with random function.
- Two button up-down memory.



Intelligent System Protection (ISP) - Anti Pinch

Pay attention to the following instructions if you are using the new anti-pinch feature ISP(= Intelligent System Protection).

- To ensure optimal operation of the anti-pinch function during downwards travel, a mechanical braking system has to be integrated in the motor.
- Without such a braking system you have to expect decreased stop sensitivity under load. However, when the table is unloaded, the anti-pinch function will operate satisfyingly. Notice that the stop sensitivity is considerably influenced by mechanical construction of the table, motor and ambient conditions.
- The anti-pinch function drastically reduces the risk of injuries. However, we point out that we cannot be held liable in the case of mal operation, because the anti-pinch function interacts with mechanics, motor activity and electronics.

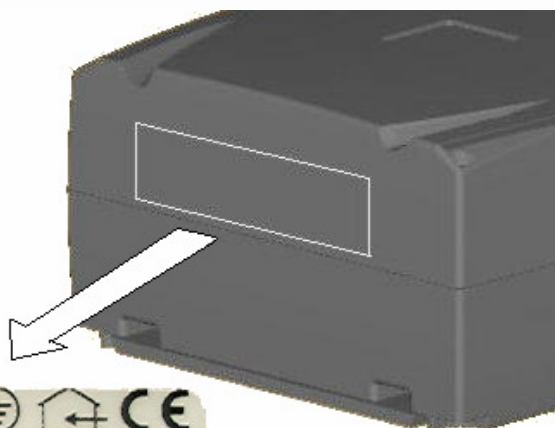





Attention

Systems containing the LOGICDATA Control Unit with anti-pinch function will reduce the risk of injury. Be aware that LOGICDATA cannot completely eliminate this risk.

Type Label

The following figure shows the type label and its location on the control box housing.



LOGICDATA		  
<i>Made in Hungary</i>	Ser.No.	
Type		Revision
LogicS-3-KTT-360VA-NE	32452988634552	0/24
Input	Output	Duty Cycle
230VAC/50Hz/2A	360VA/33VDC/11A	1min/9min



Note: Specifications on the type label are dependent on the version of the LogicS control box (see technical data).



4 Accessories

Following accessories are suitable for operation with the LogicS controls:

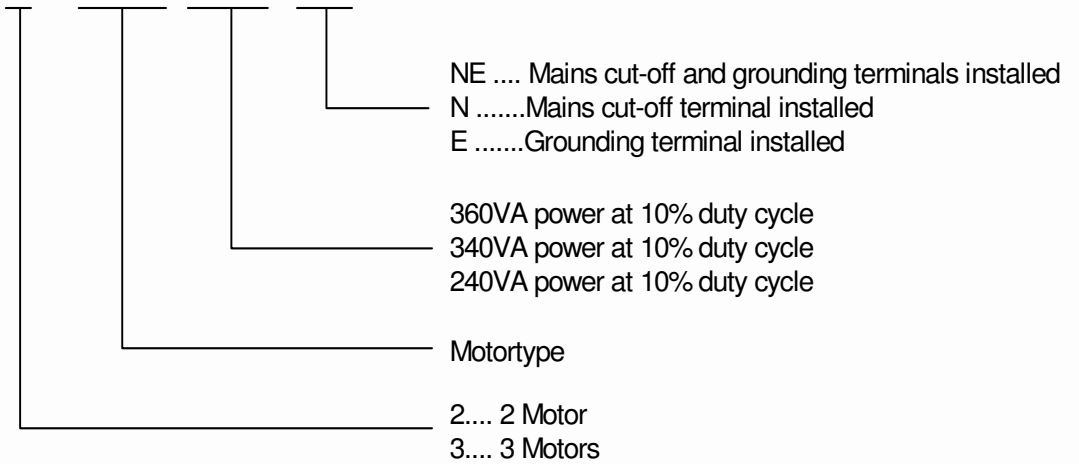
- HSX-OD-2-LD: Simple handset with up and down keys without display.
- HSU-OD-2-LD: Simple handset with up and down keys without display.
- HSU-OD-4M2-LD: Handset with up and down keys, 4 memory keys, without display.
- HSU-MDF-4M2-LD: Handset with up and down keys, 4 memory keys and display.
- HSU-MDF-4M4-LD: Handset with 2 sets of up and down keys, 4 memory keys and display.
- HSR-OD-2-LD: Ultra-slim glue on film-handset with up and down key.
- HSL-OD-2-LD: Compact handset with wipe-and-move technology and key system.
- HSR-OD-1-LD: Intelligent one-button table adjustment.
- HSU-OD-F2-LD: Simple Flex Memory handset, without display.
- HSU-MDF-4F2-LD: Flex Memory handset with 4 memory keys and display.
- IRR-DSK-SET: Infrared remote control with 2 sets of up and down keys and memory keys.
- ACS-ADAP-MOUSE: Computer mouse control adapter.
- ACS-CBL-NFS: Mains cut-off cable (Zero Power).

LOGICDATA offers a wide range of optional accessories. Please contact LOGICDATA to get a catalog with all Logicdata products.



5 Order Code

LogicS - X - XXX-XXX-XX



6 Final Disposal

Heed following disposal instructions when disposing of the LogicS control box:



Note: The LogicS motor control box is electrical or electronic equipment according to directive 2002/96/EC and is therefore marked with the symbol depicted on the left.



Note: Dispose of the control box ecologically sound!

Same applies to components like squeeze line, drives, cables, etc.!

7 Manufacturer Information

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