

JANUARY 2012



ABOUT EC CONTROL:

- > EC stands for Electronically Commutated motors—motors with integrated electronics.
- > EC motors are used in a wide range of applications.
- > LS Control has developed a range of products for control of EC motors.
- > These products carry the brand EC Control.
- > EC Control is a registered trademark®.

MULTICONTROLLERS FOR EC MOTORS

- Versatile, programmable and user friendly



All products carrying the EC Control mark are specially developed for EC motors.

MultiControllers ...

The choice when you are looking for a versatile and programmable series of multi controllers specially designed for EC motors. This series of MultiControllers are designed to meet the future need for flexibility in the control of a variety of parameters combined with user friendly operation.

All the MultiControllers are equipped with the same user interface. They are therefore very easy to operate in simple installations as well as in more complex installations. They are equipped with a number of in- and outputs and a RS485 serial interface with a MODBUS® protocol.

An integrated scheduler makes it easy to set up the unit for automatic switch between individual output signals; up to 10 shifts per day, 7 days a week. The scheduler is equipped with a battery back-up supplying the controller for a minimum of 72 hours in case of power failure.

Various accessories are available including a range of sensors, power supplies and potentiometers.

The display comes in the following languages: German, English, Danish and Swedish.

Designed for 24V AC/DC or 230V power supply. Available for wall, DIN rail or front panel mounting.

Visit our website for further information on our range of EC Control products or contact us directly per email or phone.

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ABOUT LS CONTROL:

- > LS Control is a Danish company founded in 1969. Right from the start LS Control has delivered electronics for controllers and regulators to quality conscious companies.
- > Initially our strong point was electronic components for ventilation plants, and even though this is still an important business area, many other areas and products have been included since.

MULTICONTROLLERS COMES IN 3 MODELS

- Versatile, programmable and user friendly

MULTICONTROLLER E 0-100%



This unit is a set point controller for adjustment of output signals (0-10V) between 0 and 100% or on/off.

Integrated scheduler for up to 10 shifts per day, 7 days a week.

MULTICONTROLLER E REGULATE



This unit is able to control a variety of parameters depending on sensor type connected:

- Temperature
- Pressure
- Flow
- Humidity
- CO2

Integrated scheduler for up to 10 shifts per day, 7 days a week.

MULTICONTROLLER E DISPLAY

The third model is the MultiController E Display (not shown) which is a basic display panel showing selected values from a 0-10 volt input signal or converting a 0-10 volt signal for transfer to an external unit.

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ABOUT LS CONTROL:

- > Our comprehensive experience and on-going training programs are very important to our customers.
- > Furthermore we work according to ISO 9001 standards, resulting in tight and structured project management leading to uniform and high quality products.

ACCESSORIES

- A small selection of our accessories for EC motors ...

CO2 sensors

With integrated temperature sensor and regulator. Ideal as standalone control unit for ventilation plants, or as sensor for EC MultiController E Regulate.

Product no.	Description
48304	Standard
48305	With Modbus interface
48308	Standard for duct mounting
48309	Duct mounting w/Modbus interface



Flow sensors

For measuring of air velocity in ducts.

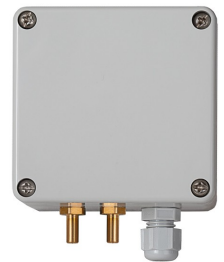
Product no.	Description
49330	Sensor for duct mounting
49329	Duct sensor mounting bracket



Pressure sensors

For measuring of negative, positive and differential pressures. The output voltage is 0-10V.

Product no.	Description
40744	0-25 Pa
40740	0-500 Pa
40709	0-5.000 Pa
40716	0-10.000 Pa



Temperature sensors

For measuring of temperature in rooms or ducts.

Product no.	Description
50211	Standard NTC on 1.5 m cable
49331	Sensor for duct mounting
49329	Duct sensor mounting bracket



We carry a wide range of accessories. Please visit our website for further information or contact us directly per email or phone.

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ABOUT LS CONTROL:

- > We are not only an R&D company, we also implement the projects including manufacturing of prototypes, 0-series and final products. We undertake the entire process.
- > The same strong and broad foundation characterizes the owner structure. The company is owned by four persons and together they provide security and continuity.

ACCESSORIES

- A small selection of our accessories for EC motors ...

Humidity sensors

For measuring of humidity in ducts.

Product no.	Description
49332	Sensor for duct mounting
49329	Duct sensor mounting bracket



Z-Point potentiometer w/light indicator

For manual speed control of e.g. EC motors featuring adjustment of minimum motor speed and switch for disconnection of power supply to motor.

Product no.	Description
41640	With switch and light indicator



Z-point potentiometer

Conventional multi-purpose potentiometer

Product no.	Description
41621	Without switch 4k7
41620	With switch 4k7



Power supplies

230V AC — 24V DC output

Product no.	Description
45020	24V DC / 24VA for wall mounting
45030	24V DC / 24VA for DIN rail
45017	24V — 100mA for wall mounting



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