

LOGO! – Innovations

Simple control tasks – easily solved with LOGO!



micro automation
LOGO!

SIEMENS

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LOGO! analog output module

With the new analog output module with two 0–10 V outputs, many new possibilities to optimally solve simple control tasks, such as temperature or speed control, open up.

LOGO! – New firmware and software

Simply perfect – for beginners and experts

The firmware of the basic devices LOGO!Basic and LOGO!Pure has been expanded to OBA5 and is completely compatible with the OBA4 generation. In connection with the new software LOGO! Soft Comfort V5.0, the logic modules can now be used for numerous control functions – from controlling the room temperature over dimmer control all the way to adjusting the speed of conveyor belts. Also new with LOGO!Basic: the contrast of the display can be individually adjusted and now also displays the values of the analog inputs and outputs in the status displays.

Function blocks for simple control loops, ramp functions and analog

multiplexers (MUX) are now also integrated in the software. For the closed-loop control function, predefined parameter sets for standard applications can be selected. Gain and integral time can be adjusted as required. Two analog values can be approached via ramps using the ramp function. Acceleration and delay can be set and even the maximum output value can be specified in this case. The analog multiplexer combines binary inputs and provides up to four default analog values at the output depending on two binary inputs – for example, to control dimmers or fans.

The Highlights

- Enhanced LOGO! firmware OBA5 basic devices
- LOGO! Soft Comfort V5.0
- Analog module with two 0–10 V analog outputs
- PI controller for temperature control
- Two-stage ramp control for controlling frequency converters, for example
- Analog multiplexer, e.g. for illumination control
- New digital DM 16 expansion module
- Compatible with the OBA4 generation

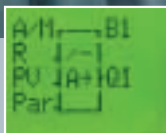
LOGO! – The new special functions

PI controller for simple control loops

- Closed-loop PI control: temperature, pressure, fill level, etc.
- Six predefined parameter sets
- Manual controller parameters specification
- Fixed cycle time of 0.5 seconds
- Jerk-free transfer from manual to automatic mode



Silos



New for LOGO! users: New applications are now possible using the functionality of the PI controller. The two previously separate closed-loop and open-loop control solutions can be combined.

New for beginners: Since the functions can be parameterized extremely fast and easy, no complex closed-loop control expertise is required.

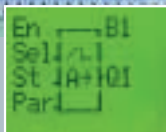
New for experts: Particularly easy fine adjustment of more complex control tasks.

Ramp function for easy control of drives

- Control of frequency converters with analog speed setpoint
- Two speeds that can be dynamically changed during operation



Conveyor system

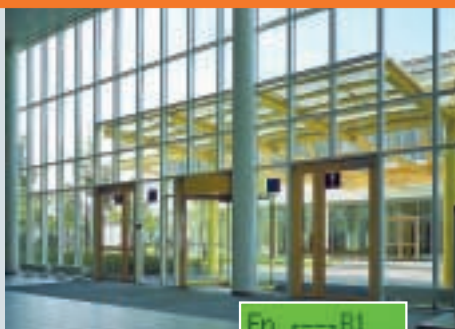


No extensive programming is required thanks to the ramp function. Many functionalities are integrated in one block. Precise control enables machine operation that's easy on the material.

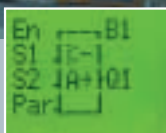
Small solutions can now be even more ingenious with little overhead. New possibilities for simple drive solutions, and drive tasks can even be downsized.

Analog multiplexer for easy analog control

- Switching in analog steps, e.g. dimming of lights, fan control
- Four steps
- Dynamic or constant specification



Building technologies



Thanks to graduation, the analog multiplexer permits the energy-saving operation of ventilation systems and lighting systems. This results in particular user-friendliness in building technologies. Thanks to its integrated logic, the MUX function permits simple solutions that require hardly any programming.



LOGO! – simply innovative

Ordering data

LOGO! variants	Order No.
LOGO! 24	6ED1 052-1CC00-0BA5
LOGO! 24o	6ED1 052-2CC00-0BA5
LOGO! 12/24RC	6ED1 052-1MD00-0BA5
LOGO! 12/24RCo	6ED1 052-2MD00-0BA5
LOGO! 24RC (AC/DC)	6ED1 052-1HB00-0BA5
LOGO! 24RCo (AC/DC)	6ED1 052-2HB00-0BA5
LOGO! 230RC	6ED1 052-1FB00-0BA5
LOGO! 230RCo	6ED1 052-2FB00-0BA5

Expansion modules	Order No.
LOGO! DM8 24	6ED1 055-1CB00-0BA0
LOGO! DM8 12/24R	6ED1 055-1MB00-0BA1
LOGO! DM8 24R (AC/DC)	6ED1 055-1HB00-0BA0
LOGO! DM8 230R	6ED1 055-1FB00-0BA1
LOGO! DM 16 24	6ED1 055-1CB10-0BA0
LOGO! DM 16 24R	6ED1 055-1NB10-0BA0
LOGO! DM 16 230R	6ED1 055-1FB10-0BA0
LOGO! AM2	6ED1 055-1MA00-0BA0
LOGO! AM2 PT100	6ED1 055-1MD00-0BA0
LOGO! AM2 AQ	6ED1 055-1MM00-0BA0

Communication modules	Order No.
LOGO! AS-i	3RK1 400-0CE10-0AA2
LOGO! EIB/KNX	6BK1 700-0BA00-0AA1

Optional accessories	Order No.
LOGO! German manual	6ED1 050-1AA00-0AE6
LOGO! English manual	6ED1 050-1AA00-0BE6
LOGO! Memory Card	6ED1 056-5CA00-0BA0
LOGO! Soft Comfort V5.0	6ED1 058-0BA01-0YA0
LOGO! Soft Comfort Upgrade	6ED1 058-0CA01-0YE0
LOGO! PC cable	6ED1 057-1AA00-0BA0

R: relay outputs, C: clock/time switch, o: without display

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LOGO! on the Internet

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- Demo software free of charge
- Software upgrades
- Ready-to-use applications
- News
- The GO! customer magazine
- and much more.

For example, you can buy LOGO! software, hardware, or promotion packages online and upon request you can obtain personal support under the menu option "Service and Support".

And that's not all – application examples and configuring tools can be found at www.siemens.com/microset and of course at www.siemens.com/logo

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