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Ingenuity for life



Simple, cost-effective solutions for your automation tasks

LOGO! and KNX for simple building automation functions

An intelligent expansion

Whether access control, air-conditioning, lighting, shading systems or irrigation – it's now easier than ever to integrate everything from small automation tasks to controller functions in your building automation system. The LOGO! CMK2000 communication module provides the link between the LOGO! controller and the KNX building system bus.



KNX – the bus for building systems

The KNX standard for house and building management systems is recognized worldwide. It is currently used by more than 73,000 partners in a total of 163 countries. Around 440 vendors offer some 7,000 KNX-capable components in their programs which can be interconnected via the KNX bus independent of the manufacturer.

LOGO! – the intelligent controller in the KNX system

LOGO! 8 can control multiple building automation responsibilities in the KNX system, including timer functions, astronomical time switching, simple connection of analog signals, controller functions and synchronization of date and time. LOGO! also features a user program which continues to process sub-tasks such as pump control even if there is a bus failure.

LOGO! CMK2000 – the KNX interface for LOGO!

The LOGO! CMK2000 KNX module communicates via Ethernet with LOGO!. KNX bus node sensor data is directed to the logic module via the CMK2000 where it is combined with logic, analog or controller functions. The communication module passes on the LOGO! control commands as telegrams to the KNX actuators.

Cross-system configuration

KNX interfacing enables LOGO! to make use of all its strengths in building automation systems. 50 KNX communication objects can be configured. In the LOGO! program, they are linked with counters, setpoints, parameters and controller functions to form automation solutions. For this purpose LOGO! provides its entire hardware configuration with up to 24 digital inputs and 20 digital outputs as well as 8 analog inputs and 8 analog outputs.

System expansions and intelligent networking

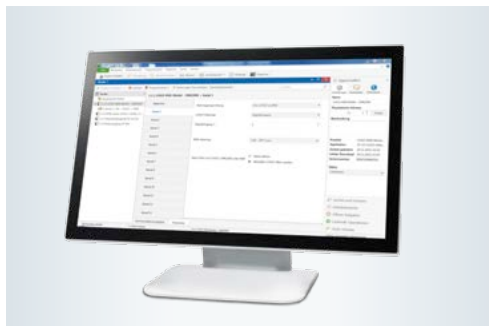
Plant sections which have been automated with LOGO! are easy to integrate in a KNX system via the CMK2000 module. This enables independent automation systems to be connected to KNX. LOGO! can be used wherever logic or analog functions are required:

- Garage door controls
- Booster stations
- Lifting systems
- Garden watering systems
- Door/gate access control systems
- Cisterns
- Sun rooms with weather stations
- Shutter and blind controls
- Lighting controls



Easy configuring

LOGO! and KNX are easy to configure via the Ethernet connector on a PC. Configuring via WLAN is also possible. Thanks to LOGO!, it is easy to carry out simple functional expansions or parameter modifications at any time.



Remote monitoring and control via the Internet

With integration of LOGO! into a WLAN network or the Internet heating control, lighting control or the display of consumption values can easily be realized without any HTML knowledge. A smartphone or tablet PC can display the values and allows to access LOGO! functions.

SMS alert system

The LOGO! CMR2020/2040 communication module enables remote communication with the LOGO! via the mobile wireless network. This feature can be used to enhance the intruder alarm function, for example, with alerting per SMS text messages.

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Advantages of LOGO! in a KNX system

- Easy integration of small automation tasks in KNX
- Flexibility for planning and expansions
- Cost-effective solutions
- Remote control and alerting via integrated Web server or SMS

Subject to change without
prior notice 01/18
Article No.: DFFA-B10114-01-7600
Dispo 06307
SB 01183.
Printed in Germany
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