New Products 2002

ABB i-bus® EIB

Intelligent Installation Systems
In 2002, the year of the Euro, ABB STOTZ-KONTAKT is again presenting new products for intelligent installation systems.

The occupant of the EIB house is one of our focal points. He is finally able to receive personalised documentation for his EIB installation and in future will be able to adjust timer programs to suit his requirements, wherever needed.

With the newly completed range of EIB power supplies, the EIB system can now continue to operate and transmit functional and fault signals, even during mains voltage failures.

Further new EIB products for heating control, energy management, and security and surveillance open up possibilities for new applications and make EIB an even more attractive prospect for any building.

For the first time, the range also includes products which not only comply with the proven EIB standard but also with the new KNX* standard.

You can now also access your installation remotely without EIB via the internet or receive alarm messages, for example, on your mobile phone. The relevant components are brand new additions to the ABB product range.

* KNX is the certification logo of the Konnex Association which is the result of a merger between the EIBA and other European organisations of bus manufacturers.

In addition to the proven 320 mA and 640 mA types, ABB is now able to offer a new 640 mA variant with a backup supply – the 640 mA Uninterruptible EIB Power Supply SU/S 30.640.1. The EIB voltage can be buffered at full load for up to 16 hours, depending on the connected battery. Mains failures, disruptions of the EIB voltage and battery faults are reported via a potential-free contact.

The new 640 mA EIB Power Supply and all other EIB power supply units are now connected to the EIB via bus connection terminal and the mains supply via screw terminals. The 30 V DC auxiliary voltage output can further be used to supply a main or backbone line. With a width of 6 modules instead of 7 modules as with the previous device, you can save even more space in the distribution board.

Typically, unnecessarily large amounts of energy are used to heat rooms.

Using the Electronic Switch Actuator ES/S 4.1.1, considerable energy savings can be achieved with a heating control system that responds to demand and usage.

The device controls heating systems or cooling ceilings via electrothermal valve drives and works with a voltage of 24 V up to 230 V AC/DC. Four overload protected outputs are available for the valve drives. The rated output current is 0.7 A, however, start currents up to 1 A are permitted.
The new application program for the Application Unit AB/S 1.1 enables the installer to implement complex timer programs for the automation of buildings via EIB.

Using the Parameterisation Software PZM1, the user of the installation can simply adapt the timer program of the Application Unit AB/S 1.1 to his requirements without using the ETS software. Flexibility is therefore maintained, both during operation and commissioning of the installation.

The connection of professional security technology with intelligent installation systems offers new opportunities and perspectives for EIB. The exchange of information between the alarm system and the building installation increases the level of security and convenience in modern buildings.

The flush-mounting Zone Terminal MT/U 2.12.1 is used for connecting security detectors directly to the EIB system. It can be mounted in the immediate vicinity of the detectors.

An extended range of security products with a variety of detector types enables a broad range of applications to be realised.

The efficient and economic use of energy is a worthwhile goal. The EIB Delta-Meters with integrated communication interface enable meter data to be read out via the ABB i-bus® EIB. Tasks such as billing, energy optimisation, visualisation or installation monitoring can thus be carried out.

The EIB Delta-Meters can be used universally as direct-connected or transformer-rated meters, with or without PTB approval, in 2-, 3- or 4-wire voltage networks. Make your energy consumption transparent – wherever you require data.
Documentation for EIB Installations

Every EIB installation is individually customised to the requirements of the customer. An EIB installation sometimes contains complex functions. After the commissioning stage, the electrical installer must explain in detail to the customer how these functions are operated and be available for any queries.

ABB STOTZ-KONTAKT offers practical support in the creation of documentation for EIB installations, consisting of prepared text blocks which can be individually adapted to any requirement.

You simply need to edit the text in Microsoft® Word and print it out. You can then give your customers their individual system documentation.

Control via Internet

The ABB Internet Gateways IN/S 1.1 and IN/S 2.1 enable access to the electrical installations from any internet access point. You can therefore operate and monitor your installation remotely and conveniently. Live pictures can also be transmitted with the Video Module VM/S 1.1 and a standard video camera.

The Internet Gateway can also alert you automatically via text message (SMS) or via email or fax.

Editors are available to logically link inputs and outputs and for creating timer functions. These editing programs can be operated quickly and simply over the internet, ethernet or USB.

You can therefore put your mind at rest and leave your home alone with the ABB Internet Gateway.