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European Quality Certificate for Energy Efficient Building Automation

- First Certificates for Electronic individual zone control equipment

Brussels/Frankfurt, October 2007. – The European energy efficiency guideline, Energy Performance of Buildings (EPBD) demands a European-wide obligatory energy certification of buildings. To verify energy efficiency eu.bac, the European Building Automation and Controls association, has developed the first Europe wide test and certification program for the range of electronic single room controllers. The test, based on the adherence to European standard EN15500, is offered by independent testing institutes and includes inspections of the production plant.

40% of all energy consumption in Europe comes from supplying electricity and heat to buildings. Through the use of building automation systems energy consumption can be effectively reduced. With optimised metering and control technology energy efficiency of heating, ventilation and hot water systems, e.g. in commercial buildings, can be increased up to 25%.

The highest potential to save energy comes from the use of demand orientated, electronic single room controllers which monitor radiator/heating, fan coils, ceiling coolers, and electric heaters. Requirements of these control devices and their accurate functioning are fixed in the European standard EN15500. Based on this standard the industry association awards products after they pass the test at an independent testing institute and after the successful production plant inspection the eu.bac certification label:



Building automation products with this certification label stand for proven quality and energy efficiency according to the European standards and international testing directives.

eu.bac, its accredited certifiers and test institutes in France, the United Kingdom and Germany founded the certification program and testing has already begun. The following leading companies have received the first eu.bac certification mark for electronic individual zone control equipment based on EN15500:

- Belimo Automation AG (CH) – Chilled Ceiling
- Hager Controls SA (F) – Electric Floor Heater
- Honeywell GmbH (D) – Fan Coil Unit
- Kieback & Peter GmbH (D) – Radiator Heating
- Fr. Sauter AG (CH) – Fan Coil Unit
- Siemens AG (CH) – Fan Coil Unit
- TAC AB (S) – Fan Coil Unit

All tested single room controllers have on average 4 times better control accuracy as the European standard requires. Thus the eu.bac certification mark stands for quality and energy efficiency. Several applications for more certifications are pending.

At present, further tests for sensors, actuators, outside temperature compensated control equipment for water and electrical heating devices (OTC's) and optimisers are being prepared. Certification testing will be available in 2008.

The eu.bac certification program is open to all providers of building automation products. Interested companies can apply for eu.bac certification through the Certification Management System (CMS).

The CMS (www.eubacCert.eu) is an online supported platform and serves as a database for all certified products. The CMS administers all processes for certifying products beginning with applying for the test to awarding the certification mark. The website offers these services in English, German and French.

For further information please visit our websites: www.eubacCert.eu and www.eubac.org.

About eu.bac

In order to meet to the European energy efficiency guidelines, EPBD, as well as the requirements of customers for the energy efficiency of their buildings, leading international companies created the European Building Automation and Controls Association (eu.bac). The goal of the association is the standardisation, testing and certifying of products, which are key to the energy-efficient control of building.

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