

The most intelligent controllers

for intelligent buildings

Compri HX
Comforte CX



The art of having control



Intelligent solutions for efficient building control

Priva Building Intelligence has developed innovative technology for intelligent building control systems which leaves nothing to chance. Priva Systems are tough, efficient and energy saving. And based on three unique products: the Compri HX, the Comforte CX and Priva Top Control.

Compri HX, the main plant controller

At the heart of your building control system is the Compri HX controller. The powerful microprocessor, the extensive memory and the many safety provisions guarantee complete and reliable operation. The embedded internet technology of the Compri HX offers you browser operation, alarm reports via e-mail and data-exchange via XML. The controller also utilizes existing communication possibilities: via modems, the user's IT network and even wireless LAN.

Comforte CX, the individual room controller

Do you want to control many rooms individually? Then the Comforte CX is the ultimate solution. It is a compact and quickly installed control unit which is situated in the room, along with the Comset CX control unit. With intelligent control strategies and a user friendly operation, the Comset CX can be used flexibly to control each room individually.

100% Priva Top Control

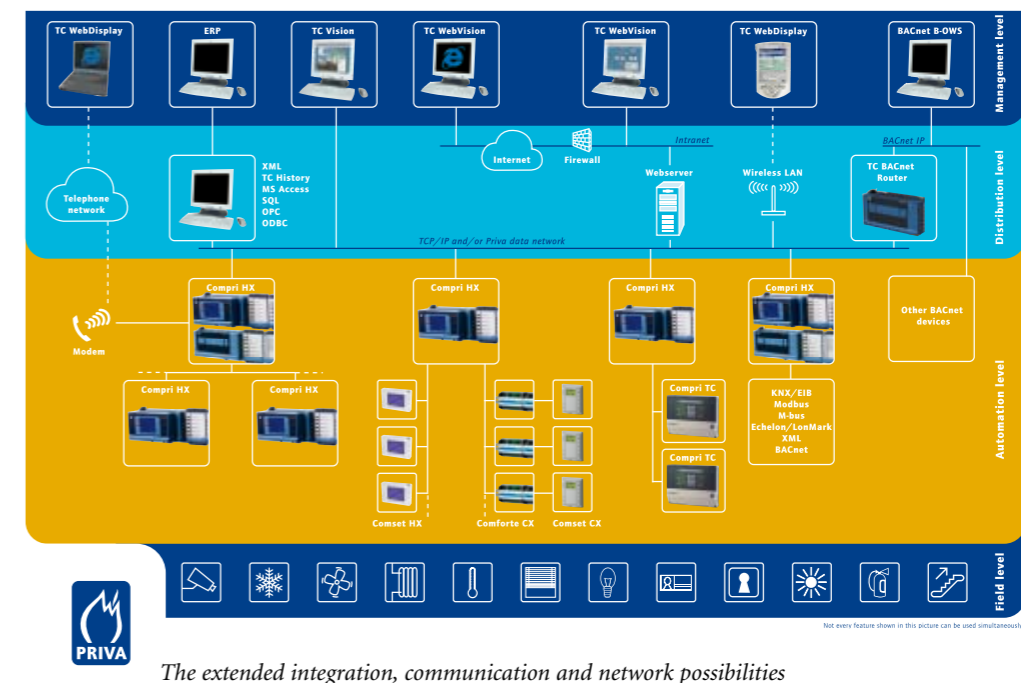
The control engineering and the operating software of the Compri HX and the Comforte CX is programmed, configured and maintained with Priva Top Control. Priva Top Control is the complete software family for intelligent building control in which applications work closely with each other and with the Priva controllers. You can efficiently maintain and control the building for an integrated environment.

Priva Top Control is based on a wide variety of freely configurable control modules and powerful and flexible graphic programming. By compiling and programming the automatic control software, you can automatically create the basis for the many operating possibilities with the Top Control applications; also via OPC or via BACnet. The result: systems that are easily maintained and can be installed by approved control specialists. In short, guaranteed low costs during its entire lifespan.

Choosing Priva Top Control hardware and software is choosing more freedom and more security.



Cleverly prepared for every network environment



For every application the correct system

The integrated products of Priva Building Intelligence are the best solution for every situation. Here are a few practical examples.

Offices

For the control of the central boiler system, main air-handing unit, sun blinds, and lighting in each room or area and, with the TC Remote PC-application, each employee can adjust their own working environment. The installation is remote controlled and maintained via a modem connection.

Hotels

Each room is controlled by the Comforte CX. With the Comset CX, your guests can create their own environment. If necessary, thanks to the link with the hotel reservation system, the room is already comfortable on entry.

Hospitals

In addition to the general main plant system, environments in the operating theatres are also perfectly controlled. Employees from the technical services department are kept informed using text messages via the internal telephone network and thanks to the TC WebVision web server application they can access the control system from any location.

Retail chains

Lighting and temperature are controlled. Thanks to the TC BACnet Router, the temperature in the refrigerated display cabinets is monitored and controlled centrally via the existing IT network, linking all outlets with each other. This way, product quality can be guaranteed.

Conference halls

When the building control system signals a fault, this is reported to the engineers by the TC Serve Centre alarm and management application via the paging system, fax, GSM or e-mail, using a graphic duty schedule. Via the ODBC- or XML-link, it can be reported to the facility management system where the reports are archived and job cards can be generated.

Underground thermal energy storage

Priva Building Intelligence has modules that manage the accumulation of cooling energy in the ground during the winter and heating energy during the summer. Using such stored energy can make boilers and chillers surplus, as is the case in the new Priva headquarters building. Thanks to Compri HX and TC History, the PC-application for long-term data storage, you can easily monitor the ground energy storage usage and movement as well as the associated water balance.

Compri HX



The powerful controller

The Compri HX is a hyper-modern, freely programmable controller for the control of small to very large automatic control installations.

Intelligent modular system design

The Compri HX controller is constructed from a base module, input and output modules and an optional touchscreen. The base module is selected by means of the total quantity of inputs and outputs, the necessary control capacity and the communication options. Therefore, the system is fully adjustable to suit your installation.

Rapid engineering and commissioning

The selected modules are simply clicked onto the DIN-rail, pushed together and connected using plug-in connectors. No jumpers or dip switches are necessary for addressing the input and output modules, thus preventing costly mistakes. Thanks to this system of construction, pre-engineering is possible and quick commissioning can be guaranteed.

Field equipment independent, without screened cabling

You can connect almost any sensor or actuator to the high resolution and very accurate analogue inputs and outputs. Due to the extended library of manufacturers' temperature sensors, their characteristics are fully understood enabling any type of field equipment to be used. It even supports any non-listed devices by allowing you to define your own characteristics via look-up

tables. Electronic filtering on the inputs neutralizes unwanted interference so that screened cabling is not necessary. With renovation projects, this provides substantial savings because you can re-use existing cabling and sensors.

Integrated manual overrides for emergency and service operation

Various output modules are equipped with an integrated manual override. This function is independent from the base module and has its own power supply connection per I/O module, allowing it to be connected to an emergency voltage supply. Separate manual operation is not necessary, which saves on panel space and assembly time. The position of each override switch is monitored by the BMS and therefore cannot be accidentally left in manual.

Convenient user access

The Compri HX Touchscreen and Colour Touchscreen provide easy access to the system. As well as the automatically generated service engineer menus, the Touchscreen can be dedicated to and tailor-made for non-technical end users. The Compri HX controller can be supplied for wall and panel mounting. Both designs are equipped with three LED lights and an audible alarm. Separate signal lights on the control panel door are not necessary.



Communicative, open and futuristic

Every Compri HX is equipped with multiple RS232 and RS485 communication ports. The Compri HX 8E and the Compri HX 80E also have Ethernet ports for direct connection to your TCP/IP network. The Compri HX communicates with your PC via these ports and thanks to the built-in web server, even directly with your browser. In larger building control systems, you can connect multiple controllers with each other in one network, ensuring perfect mutual cooperation and information exchange. And via a modem or IT network, service engineers can be contacted via SMS or e-mail.

Supported by the most up-to-date protocols
Via universal protocols such as XML, BACnet, KNX/EIB, Echelon/LonMark, M-bus or Modbus, you can link your equipment directly to the Compri HX. More product specific links are also possible with equipment from manufacturers such as Grundfos, Danfoss, Wilo, ABB, OnGuard, Biral or Micros-Fidelio. You can also easily connect the Priva Building Intelligence equipment, such as the Comset HX Touchscreen or the Comforte CX room unit. Even links to older generations of controllers are supported. The Compri HX provides you with the security of continuity.

Comset HX

User friendly, flexible, innovative and delivers savings



With the Comset HX Touchscreen, users can read and write parameters and settings from the Compri HX controllers. The Comset HX is a modern design and is equipped with a high resolution touch screen (320x240). The Comset HX is supplied with three LED lights and an audible alarm. During configuration you can allocate any function to these.

Using Priva's TC Select engineering application you can easily configure a user menu, entirely based on user requirements. By means of log-in possibilities on multiple levels, you can allocate different access levels to users. These and numerous other features make the Comset HX the ideal touch screen for every application.



Compri HX - the clear choice

A Priva system provides environmental control of the accommodation blocks at Lancaster University, consisting of 27 buildings housing 2,649 students. All individual buildings are equipped with Compri HX8E controllers connected to the university's IT network. The site's facility services company is provided with end user access and alarms through a graphic package via the TCP/IP network.

Other customers using climate control by Priva are:

Marks & Spencer Stores in Ayr, Dumfries, Plymouth and Richmond, the Shetland Museum Trust, Hilton International Hotel in Bath, Archbishop Ryan National School in Co. Dublin, Benbecula Airport (Highland & Islands Airport) in Western Isles, Scotland, Carpetright plc's Main Data Centres in Rainham and Purfleet, Magdalene College in Cambridge, Jackson's Hotel in Co. Donegal, Misy Group plc offices in London



Comforte CX

Create your own climate



The Comforte CX is a compact digital control unit that is ideally suited for individual room control in offices, hotels, consulting/healthcare environs, and prisons. The innovative Comforte CX provides an individual and comfortable climate for working or living.

Modular construction, quick and reliable assembly

The Comforte CX is perfectly suited to its tasks with a modular structure comprising a base module, a power supply module, various output modules and a wide range of control strategies, including VAV, fan coil and chilled ceilings. Due to the compact design and the clever use of main voltage connectors (Wieland GST18), you can mount the Comforte CX simply and quickly in the area above the ceiling, without an external housing.

Integration of climate, lighting and sun blinds

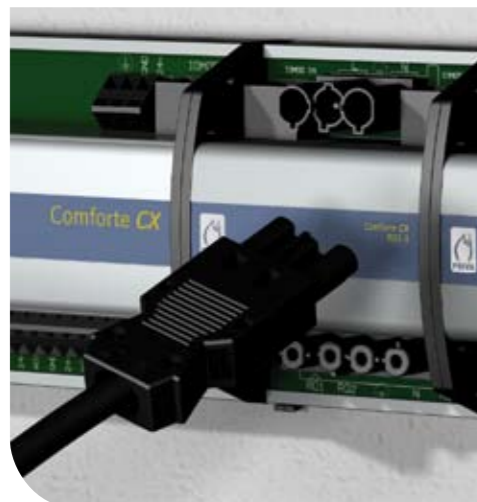
Apart from heating, cooling and ventilation, the Comforte CX also controls the lighting and sun blinds. Such integration delivers optimum comfort through a single control strategy. Furthermore, only one room unit is necessary for user access; making control more convenient for the user, enabling integration of the room's services, saving space, and reducing installation costs.

BACnet links the systems

The Comforte CX is a native BACnet Application Specific Controller (B-ASC) and communicates via a CX-network based on BACnet MS/TP with other Comforte controllers and the Compri HX, the master central controller. The advantages of interoperability are huge: for example, you save on energy costs because a central 'off' pulse prevents unnecessary or excessive temperature levels. Another advantage is the increased comfort achieved by pre-heating rooms at a centrally determined time. Furthermore, the network makes it possible for you to read, write and log values centrally. Because the Comforte controllers can communicate with each other, master/slave regimes can be created for HVAC, sun blinds and lighting.

One unit with maximum application flexibility

The numerous control strategies in the Comforte CX are simple to activate and configure. Therefore, you can use one type of control unit for a wide range of application designs. Via the CX-network, you can also adjust the system and control software in order to benefit from new automatic control routines.



Many satisfied Comforte users

The Comforte CX, along with the accompanying room unit Comset CX, forms a flexible control system that can be applied as easily to small offices as well as to very large building complexes.

The BDO Accountants & Consultants building in Utrecht is equipped with 175 flexi work sites (hot-desking). The building control system allows staff to individually regulate their environment from every work station via their PC. The system can control the ventilation, sun blinds and lighting individually.

Other clients who use Priva individual room controllers in the UK include: Clydesdale Bank/North Australian Group Bank HQ in Glasgow, the William Grant and Sons Distillers Ltd distillery in Girvan, Scotland, offices for Regus in Bristol, Saxby House in York, KBR UK Ltd in Aberdeen, Environment Agency in Bedford, and Co-op Express Supermarket in Wheatley, Oxford.



Comset CX room unit

Personal comfort conditions



The attractively designed Comset CX is the intelligent room unit from which the Comforte CX units are controlled.

Compact, accessible and informative

The clear display and the robust keys with unambiguous symbols clearly demonstrate the functions and the status of the control unit. The Comset CX is flexible in use whether operating in standalone mode or as part of a network of controllers. Specific application requirements are matched at the design stage with the correct symbols, providing a tailor-made layout of keys so that you are always correctly informed and the control remains intuitive and logical. The Comset CX, adjusts your environment to suit you.



The art of having control

You chose freedom and security in building control systems. You chose systems which are as well designed as they are reliable. Priva Building Intelligence Systems. The Compri HX controller and the Comforte CX individual room controller form the basis of your intelligent building control system.

- Rapid project implementation, easily maintainable and always expandable.
- Plenty of freedom in the selection of field equipment.
- Tested efficiency and low-energy control with built-in diagnostics.
- All the possibilities for on site and remote controlled user access.
- Simple integration with other installations in your building.
- An open system, with standard information exchange protocols.
- Based on the most up-to-date internet technology.

Priva Building Intelligence is supported by a complete network of professionals, certified Priva partners, control specialists and system integrators, spread across the country. They know the hardware and software products through and through. Therefore, Priva Building Intelligence not only offers you maximum efficiency, but also maximum protection in quality and service.

Priva is a leader in climate control, not only in the area of building control systems, but also in horticulture. By complete integration of all climate related aspects, we help you to save on costs and we create an optimal environment for man and plant. In this integral approach lies our strength. At Priva, our knowledge of building control systems and climate control for glasshouse horticulture is situated under one roof.



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