L-Vis

LOYTEC Visualization

Control is just a touch away!™

networks under control

L-VIS - Control and Display Panel

Display

L-VIS is an extremely flexible graphical user interface with an unprecedented range of functions. Any information from a CEA-709 or BACnet network can be displayed or controlled by the high-resolution touch display (5,7", 320x240 pixels, 256 colors/VGA Palette), surrounded by a brushed aluminum frame with an anodized finish. The graphical interface can easily be adapted by using customized images or graphics in common file formats such as JPG, BMP, TIF, and even animated GIF. Any Information can be displayed in various ways. Dynamic information is shown in the form of numeric values, changing icons, bar graphs or text.

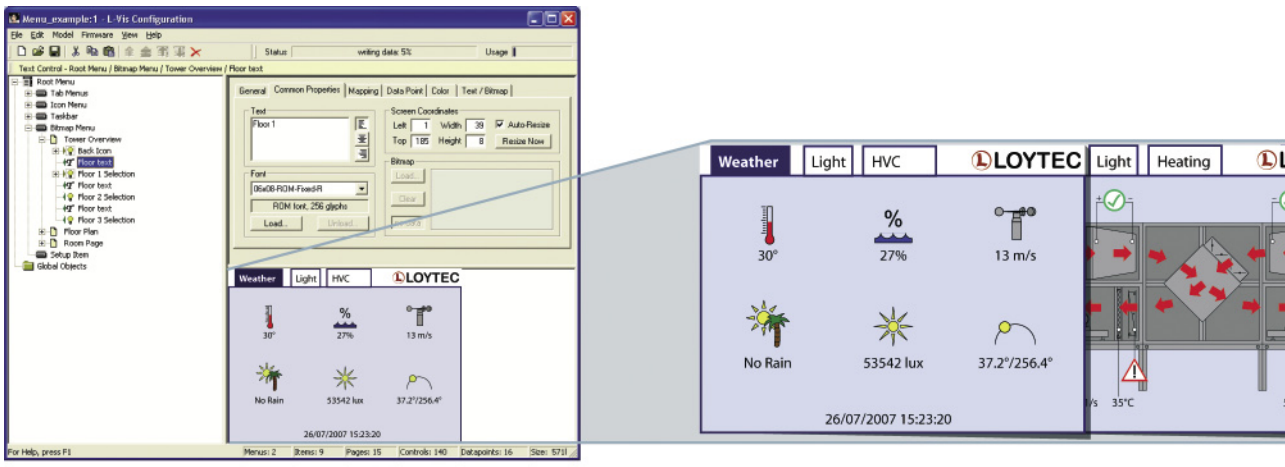
The L-VIS is the display solution for various kinds of applications. Whether used in an office building, hotel, school, or chain store - L-VIS is convincing in every sense. The graphical interface can always be designed for the user to navigate trough its content intuitively.

Application

Thinking of an application for L-VIS, e.g. a conference room in an office building comes to mind. L-VIS takes perfect care of managing the conference room by adjusting set points, selecting light scenarios, or moving sun blinds. And there are a lot more applications in single buildings or distributed real estates where L-VIS fits in perfectly. L-VIS can be installed as a control panel in a control cabinet supervising HVAC systems locally. Installed in the entrance area of any kind of building, L-VIS provides access to applications for service or security personnel. In schools and shops, L-VIS can be used to provide local access to the network. Hotels are another major area of application for L-VIS. Installed in a hotel room and integrated in the hotel management system L-VIS could display the user interface in the language of the booked-in guest. An event manager can pop-up a screen asking the guest to check the latest event offering. In case of an emergency, L-VIS can display the direction to the escape route.

Setup

The L-VIS configuration software supplied with the unit guarantees straight-forward configuration. An object-oriented configuration of the graphical interface and pre-defined functions simplify creating easy-to-use menu layouts and graphical pages. The copy-and-paste function allows reusing already created elements and the WYSIWYG preview helps reducing engineering efforts.



Management & Remote Access

Alarming
Scheduling
Trending

L-VIS supports basic management functions such as scheduling, alarming, and trending.This includes a local scheduling service as well as the possibility to configure several local and remote 24-hour schedulers through display elements. Thus, L-VIS has the capacity to run local AST services or to interact with other L-VIS devices to change scheduling parameters from a central location. Furthermore, scheduling parameters can be changed from building management systems through Web services by involving other LOYTEC products like the L-OPC Embedded Automation Server.

L-VIS provides functionality to generate, deliver, acknowledge, and display alarm conditions and logs. Logged information is available through CSV file export for third party applications.

The trending capability includes trend graphs, a data log of values and time stamps, and transferring the recorded data to a host PC for analysis and storage.

Calculate

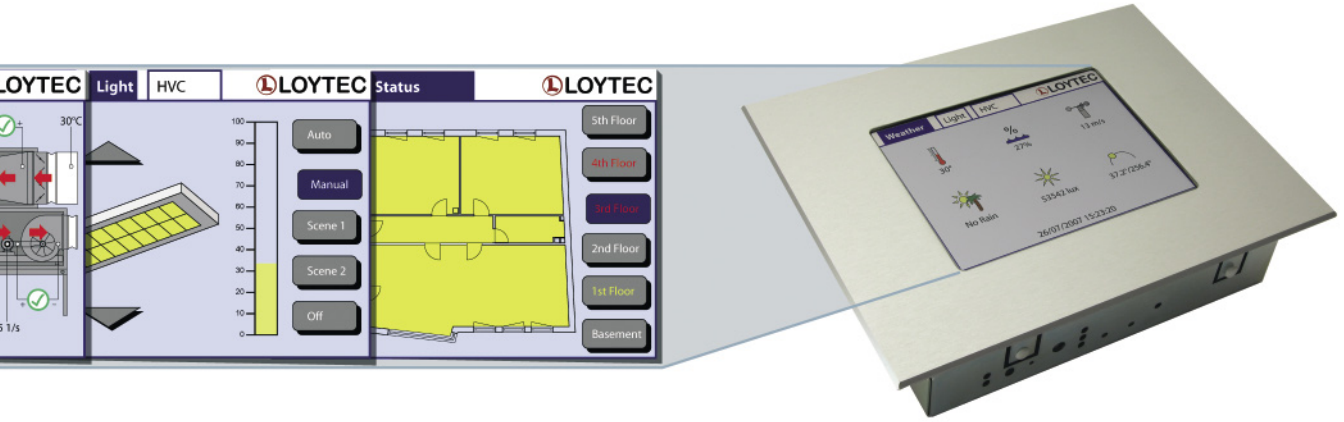
L-VIS supports mathematical operations via calculating mathematical expression from a number of inputs and assign results to one or more outputs. The expression is configurable by the user and allows the use of all common mathematical operations and functions as well as Boolean expressions.

Notify

L-VIS features event-driven email notifications via pre-defined actions. This way, the user is promptly informed about problems like e.g. a specific status or an exceeded high-limit.

Remote Access

L-VIS provides remote access to its screen content via a TCP/IP connection. The content of the L-VIS can be displayed on a PC, PDA or smart phone using the VNC (Virtual Network Computing) protocol. Since VNC is platform-independent, VNC viewers for several operating systems are available.



Communication

CEA-709 BACnet

L-VIS communicates in a CEA-709 (EN 14908) or BACnet network:

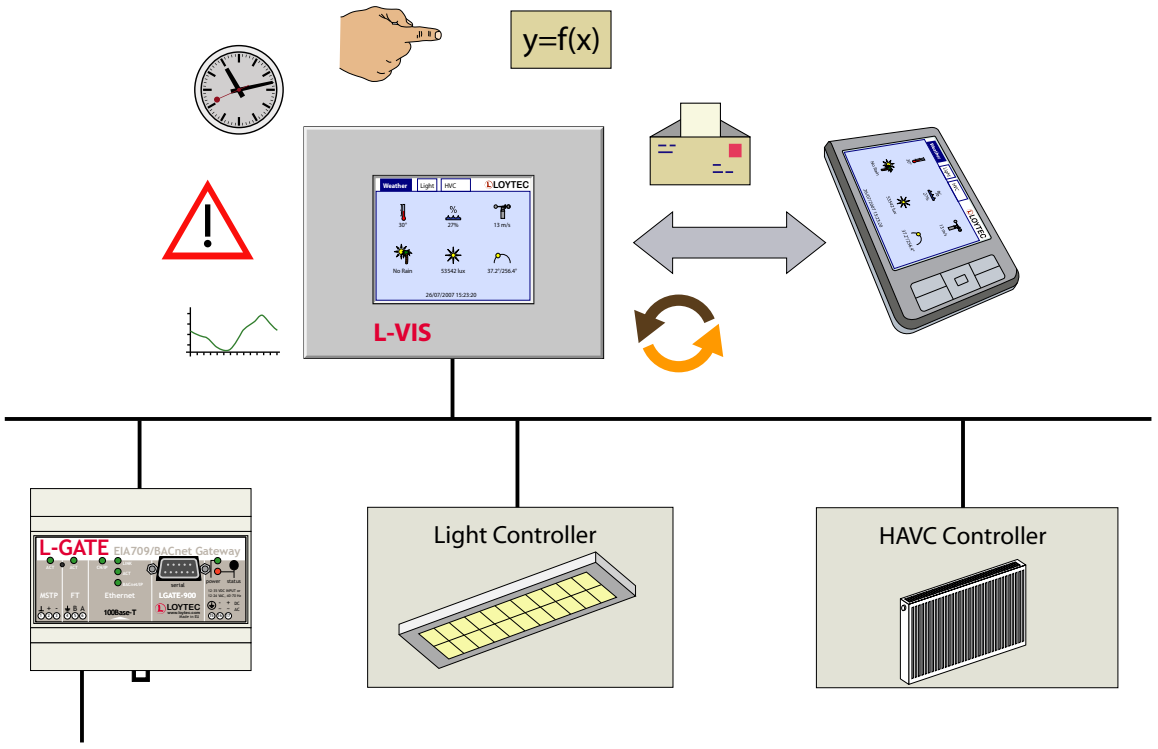
LVIS-3E100: LVIS-3E100 is fully compliant with the CEA-709, CEA-852 and EN14908 standards and supports communication either on a TP/FT-10 or an IP-852 (Ethernet /IP) channel. LVIS-3E100 can handle up to 512 input or output network variables (NVs) and up to 512 destination addresses. Both static and dynamic Standard Network Variables (SNVTs) as well as user defined Network Variables (UNVTs) and Configuration Properties (SCPTs, UCPTs) are supported. In addition, the LVIS-3E100 provides a fully featured remote network interface functionality.

LVIS-ME200: LVIS-ME200 is fully compliant with the ANSI/ASHRAE-135-2004 and ISO 16484-5 standards and supports communication either on a BACnet MS/TP or BACnet/IP (Ethernet/IP) channel. Up to 500 BACnet server objects as well as scheduling, alarming and trending objects can be used to display or control any information on the network. LVIS-ME200 represents an advanced application controller (B-AAC) and supports BACnet client functions like WriteProperty, ReadProperty and COV Subscription.

Networking

L-VIS supports the exchange of parameters between several LVIS devices in a network e.g. to adjust scheduling parameters or read trend data from remote. In combination with the LOYTEC L-OPC Embedded Automation Server, the AST services executed on the LVIS can be accessed from a remote SCADA system via Web services.

Please visit the Products section on our web site to get more detailed information on LVIS and other LOYTEC products.



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