LOYTEC
www.loytec.com

Features

♦ Graphical user interface with touch panel for CEA-709 networks

♦ Fully compliant with CEA-709, CEA-852, and EN 14908 standard

♦ 12.1": 800x600 (SVGA) color TFT display

♦ 15": 1024x768 (XGA) color TFT display

♦ Dimmable backlight, 65 535 colors (VGA)

♦ Representation of user defined graphics, numbers, text, bar charts, trend logs, and bit-maps

♦ Visualization and control of individual data points (NVs)

♦ Supports Alarming, Scheduling, and Trending

♦ Supports common mathematical operations and functions as well as Boolean expressions

♦ Event-driven e-mail notification

♦ Remote access via the VNC (Virtual Network Computing) protocol

♦ Access control with PIN code

♦ Embedded Webserver for device configuration and data point listing

♦ Simple, graphical programming with L-VIS configuration software supplied with the unit (runs as LNS® Plug-In or stand-alone tool)

♦ WYSIWYG preview on PC screen

♦ Support of dynamically created network variables or static network variables

♦ Support of user defined NVs (UNVTs) and configuration properties (SCPTs, UCPTs)

♦ Up to 1000 input or output network variables can be processed

♦ Up to 512 destination addresses can be used

♦ Supports TP/FT-10 or CEA-852 Ethernet (IP-852) channels

♦ 2 Ethernet ports for device daisy-chaining with integrated Ethernet switch

♦ 2 x USB-A connectors for expansions

♦ Audio output with integrated stereo speakers, e.g. for alarm text announcement

♦ Connector for external temperature sensor (L-TEMP)

♦ 2 Digital Inputs

♦ 200 Megabyte Flash for project / data storage

♦ Aluminium frame with anodized finish

♦ Flush-mounting in combination with a mounting frame (LVIS-FRAME12, LVIS-FRAME15)

♦ International protection rating:
Front: IP54   /   Back: IP10

♦ Dimensions (12.1", LVIS-3E112):
W = 329 mm, H = 268.3 mm, D = 65 mm

♦ Dimensions (15", LVIS-3E115):
W = 394 mm, H = 318.0 mm, D = 65 mm
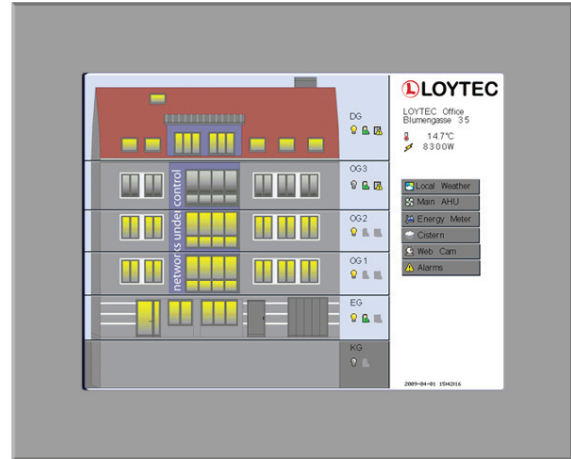
♦ Supply Voltage: 24 V DC ±10%, or
90-265 V AC

♦ Ultra Low Power Consumption:
  • 2.5 W Display off
  • 13 W   Display on (12.1", LVIS-3E112)
  • 16 W   Display on (15", LVIS-3E115)

♦ Backlight Lifetime: 50 000 hours

Description

L-VIS impresses with timeless design and harmonious integration into modern and historical architecture as well as its extremely user friendly concept. The powerful platform of the 12.1" (LVIS-3E112) and 15" (LVIS-3E115) version of the L-VIS touch panels leaves nothing to be desired.

Primarily any information from a CEA-709 network can be displayed or controlled by the touch panel. NVs represent the interface to the CEA-709 network. Both static and dynamic NVs are supported as well as user defined NVs (UNVTs) and configuration properties (SCPTs, UCPTs).

The graphical interface can easily be adapted by using customized and detailed images or

Order Number	Configuration
LVIS-3E112	12.1" Touch Panel 2 x Ethernet, integrated switch 1 x TP/FT-10
LVIS-FRAME12	Mounting frame (12.1" model)
LVIS-3E115	15" Touch Panel 2 x Ethernet, integrated switch 1 x TP/FT-10
LVIS-FRAME15	Mounting frame (15" model)
L-TEMP1	External Temperature Sensor

buildings under control

graphics in common file formats (*JPG, *.BMP, *.TIF, etc. and even animated *.GIF). Dynamic information is shown as numerical values, changing icons, bar graphs or text.

L-VIS supports basic automation functions such as alarming, scheduling, and trending. This includes a local scheduling service as well as the ability to configure several local and remote 24 hour schedulers through display elements. Thus L-VIS has the capacity to run as a standalone device or to interact with other L-VIS devices.

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

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 for storage. Another helpful feature is the automatic transfer from the L-VIS recorded data to a preset destination.

L-VIS supports common mathematical operations and functions, as well as boolean expressions.

L-VIS supports event-driven e-mail notification as a result of a predefined action triggered by a specific status or an exceeded high limit.

L-VIS Application Example

Fields of application are various. The 12.1" and 15" touch panel allows visualizing HVAC systems clearly arranged for local operation. They host graphics in a building automation system avoiding the use of PC hardware.
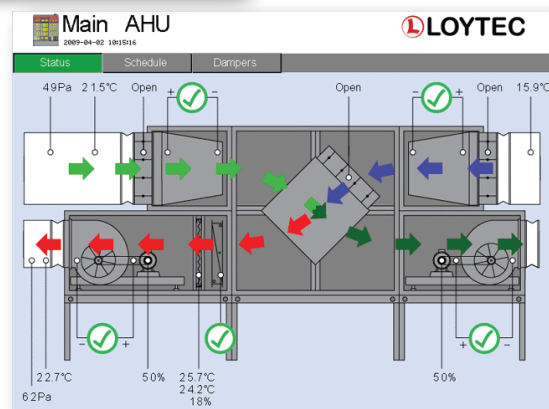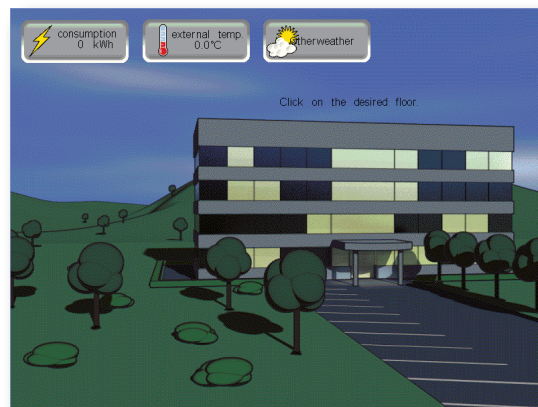
Connectivity

The L-VIS can be connected to a TP/FT-10 channel or an IP-852 (Ethernet/IP) channel. Two Ethernet ports for device daisy-chaining with an integrated Ethernet switch are available.

Firmware upgrade and device configuration can be done via the TP/FT-10 channel, or Ethernet/IP.

Remote Access and E-mail Notification

Remote access is supported via TCP/IP through an integrated VNC (Virtual Network Computing) server. The content of the L-VIS touch panel can be brought to a PC or PDA using the VNC protocol. Since VNC is platform independent, VNC viewers are available for several operating systems.

When connecting L-VIS as a TP/FT-10 node, a remote network interface functionality is available. This way the TP/FT-10 channel can be accessed by an IP connection. This as well allows remote analysis with LOYTEC's protocol analyzer LPA.

L-VIS features event-driven e-mail notifications with predefined actions. Individuals are promptly informed about an abnormal status. Trend data are forwarded as an e-mail attachment, e.g. for LWEB-801 Server.
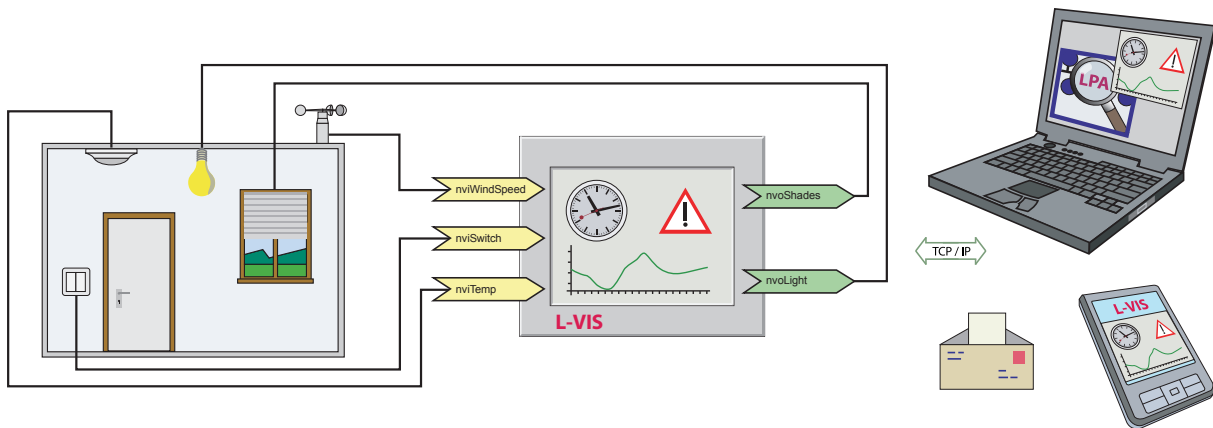

Data Storage

The L-VIS touch panel can store historical data on the device. The data can be read from the devices via a FTP connection as CSV files.

L-VIS touch panels can automatically send e-mails with a CSV attachment to a mail server. The LWEB-801 Server polls e-mails with a CSV attachment from this mail server. Data from the CSV files are automatically extracted and stored in the SQL database. LWEB-801 recognizes duplicate data and ensures that the same data will not be stored repeatedly.

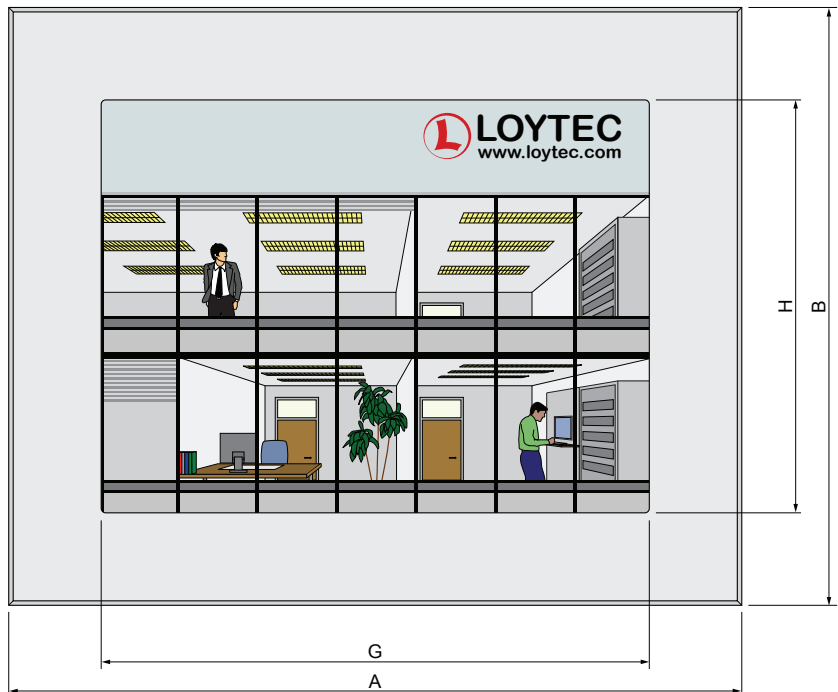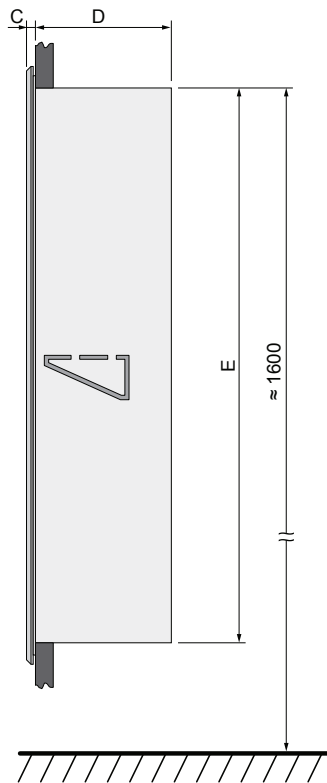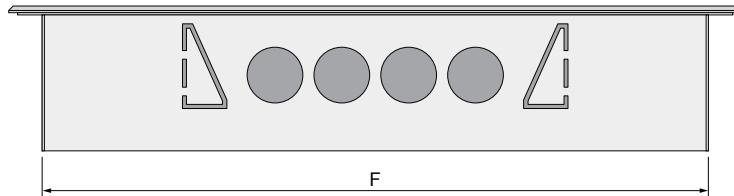buildings under control
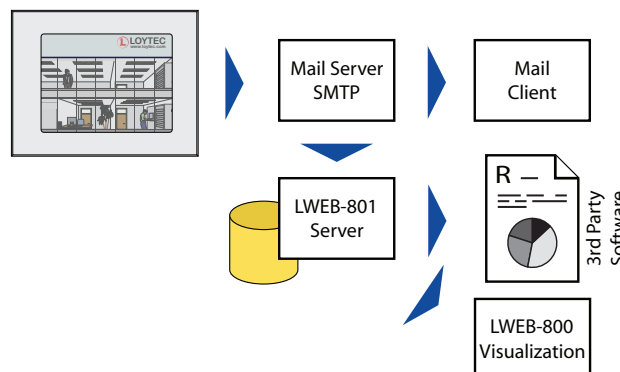
Easy Configuration

Easy configuration is guaranteed with the L-VIS configuration software supplied with the unit. The software can run as a stand-alone tool or as an LNS® plug-in, compatible with LNS® 3.0 and LNS® TE applications like NL220, ALEX and LonMaker®. An object-oriented configuration of the graphical interface with WYSIWYG preview and predefined functions make it easy and efficient to create a pleasing graphical interface. With the UCS-16 character set of the Unicode standard (ISO 10646), any language, including Chinese, Japanese, and Korean (CJK) is supported.
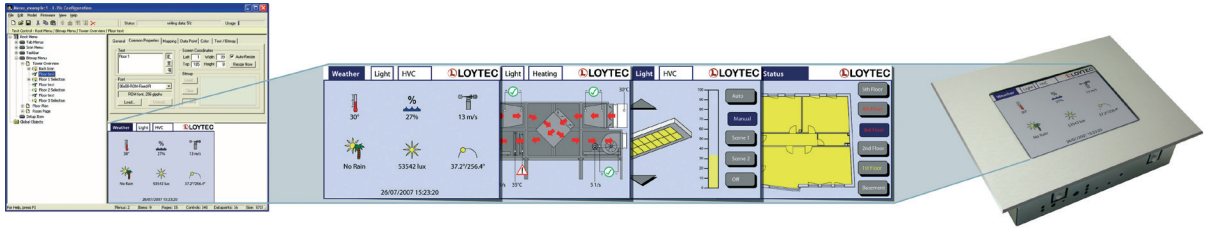
Dimensions

All Dimensions are in millimeter (mm).

DIM	12.1"	15"
A	329	394
B	268.3	318
C	4	4
D	61	61
E	249	293.7
F	299	353
G	246	304.4
H	185.3	228.25