Functions
L-WEB
L-ROC
L-INX
L-IOB
Gateways
L-VIS, L-STAT
L-DALI
Routers, NIC
Interfaces
Accessories

L-VIS Touch Panel

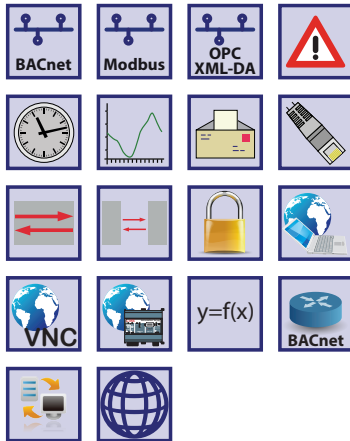## LVIS-ME200

Not recommended for new projects!

Please use LVIS-3ME7-Gx

✓ BACnet
CEA-709
KNX

✓ Modbus
M-Bus
✓ OPC

Datasheet #89017318

L-VIS Touch Panels for BACnet networks are ideally suited for visualization and operation of various applications in building automation. L-VIS Touch Panels visualize building systems, can be used as room operator panels, in hospital operation or isolation rooms, conference and reception areas. The fully customizable user screens can show dynamic pages that are easy to navigate. L-VIS Touch Panels make use of an extremely low power embedded controller platform utilizing an embedded operating system. This makes L-VIS resistant against problems when re-booting after power outage and also against any viruses.

L-VIS impresses with its timeless design, harmonic integration into modern and historical architecture, and with its extremely user friendly concept. The shallow installation depth and low thermal power loss allow mounting in almost any location.

Dynamic Graphical Pages

The graphical pages may consist of multiple dynamic graphical controls that show the current plant status in real time. It is also possible to access decentralized schedules, alarm servers, or trends. The graphical projects are designed with the L-VIS/L-WEB configuration tool free of charge. Without any know-how in HTML or Java, user specific graphical pages can be created. Dynamic information is shown through value or text controls, changing symbols, bar charts, trend views, alarm and event lists, or schedule controls. The L-VIS/L-WEB configuration tool allows for using most of the pixel graphic formats (GIF, JPG, BMP, TIFF, PNG, MNG, ICO), vector graphics (SVG) and alpha blending.

Automatic Page Generation

Pages including data point names and values, alarm views, schedules, or trends can be created automatically by the L-VIS/L-WEB configuration tool. This significantly reduces engineering time and cost.
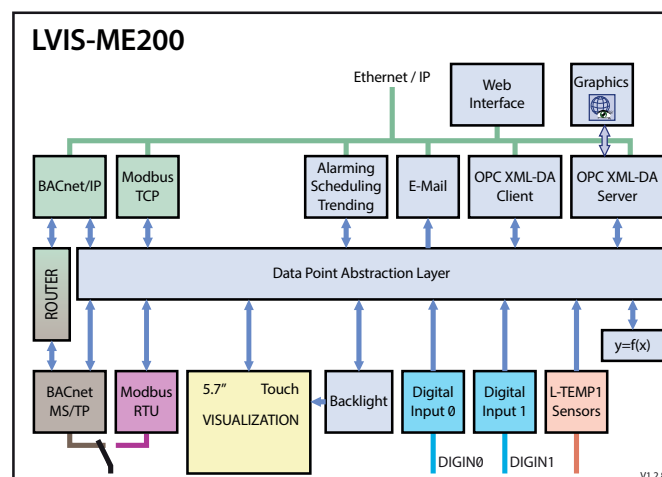
Connectivity and Data Points

The L-VIS Touch Panels support connectivity to BACnet/IP and BACnet MS/TP and implement the BACnet Building Controller (B-BC) profile. They include a fully featured built-in BACnet/IP to MS/TP router with BBMD and slave proxy functionality. In addition, the L-VIS Touch Panels provide connectivity to Modbus TCP via Ethernet/IP and to Modbus RTU via RS-485.

Math objects can calculate any kind of formula using data points available on the device. The resulting data point value can then be either shown on the page or provided via a BACnet object. All BACnet server objects are automatically mapped to OPC XML-DA data points that can be accessed via web services.

The L-VIS devices provide fully featured AST™ functionality (Alarming, Scheduling, and Trending) and can be integrated perfectly into the L-WEB Building Management System.

L-VIS Touch Panel

LVIS-ME200

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Features

- High resolution TFT touch display with dimmable backlight
- Anodized aluminum front frame
- Flush-mounting in combination with the mounting frame
- Stores customized graphical pages
- Visualization of customized graphical pages through built-in Touch Panel, LWEB-900 (building management) and LWEB-802/803
- Device configuration and graphical page creation with the L-VIS/L-WEB configuration tool free of charge
- Supports all popular graphic file formats such as GIF, JPG, BMP, TIFF, PNG, MNG, ICO
- Support of SVG vector graphics
- Supports alpha blending
- Supports popular font types such as TrueType, Type-1, BDF, PCF, and OTF
- Supports Unicode text
- Built-in OPC XML-DA server
- Built-in OPC XML-DA client
- Alarming, Scheduling, and Trending (AST™)

- Event-driven e-mail notification
- Math objects to execute mathematical operations on data points
- Compliant with ANSI/ASHRAE 135-2012 and ISO 16484-5:2012 standard
- Supports BACnet MS/TP and BACnet/IP
- BACnet Client Function (Write Property, Read Property, COV Subscription)
- BACnet Client Configuration with configuration tool (scan and EDE import)
- B-BC (BACnet Building Controller)
- Integrated BACnet/IP to BACnet MS/TP Router
- BBMD (BACnet Broadcast Management Device)
- Modbus TCP and Modbus RTU (Master or Slave)
- Integrated web server for device configuration and monitoring data points
- Access to network statistics
- Configurable via Ethernet/IP

L-VIS Touch Panel

LVIS-ME200

Specifications	
Type	**LVIS-ME200**
Screen size	5.7" (145 mm)
Dimensions (mm)	210 x 164 x 63 (L x W x H), DIM001
Dimensions cut-out (mm)	180 x 150 x 57 (L x W x H)
Display resolution	320 x 240, 256 colors
Interfaces	1 x Ethernet (100Base-T): OPC XML-DA (server, client), BACnet/IP, HTTP, FTP, SMTP, NTP, VNC, Modbus TCP (Master or Slave) 1 x RS-485 (ANSI TIA/EIA-485): BACnet MS/TP or Modbus RTU (Master or Slave) 2 x Digital Input 1 x Digital interface for up to 4 L-TEMP1 sensors
Power supply	20-35 V DC / 24 V AC ±10 % typ. 3 W, backlight on: 8 W
Operating conditions	+10 °C to 40 °C, 10-90 % RH, non condensing
Degree of protection	Front: IP54 / back: IP10
Tools	L-VIS/L-WEB Configurator

Resource limits	
OPC data points	2 000
Modbus data points	2 000
VNC clients	16
BACnet server objects	512
BACnet calendar objects	25
BACnet scheduler objects	100 (64 data points per object)
BACnet notification classes	32
E-mail templates	100
Math objects	500
Alarm logs	10
Trend logs	100 (390 000 entries, ≈ 6 MB)
Total trended data points	256
Connections (Local/Global)	1 000/250
Number of L-WEB clients	15 (simultaneously)

Order number	Product description
LVIS-ME200	BACnet Touch Panel with 5.7" display (Aluminium frame with anodized finish), B-BC
LVIS-FRAME1	Mounting frame for 5.7" Touch Panels
L-TEMP1	External temperature sensor