



NETWORK

BACNET, LON AND MODBUS TOUCH PANEL L-VIS SERIES



DESCRIPTION

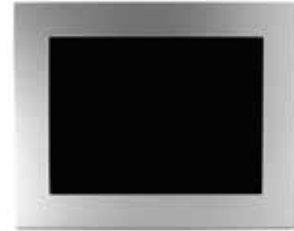
The **Loytec LVIS Series** touch panel are visual operation devices suited for building automation system applications. They provide visual or audio information at the panel with customized or standard graphic designs. All models support LonMark, BACnet, and Modbus TCP networks. Communication and connectivity is provided via Ethernet/IP, BACnet/IP, BACnet MS/TP, and RS-485 terminal connections. The **LVIS Series** comes with a 7", 12.1", or 15" screen in an aluminum anodized finished frame (12" and 15" models only) or a frameless glass front with capacitive touch. These units have an internal switch which allows a daisy chain topology of up to 20 devices and also allows redundant Ethernet (ring topology) enabled by RSTP.

FEATURES

- High resolution TFT touch display with dimmable backlight
- Anodized aluminum front frame
- Flush-mounting in combination with the mounting frame
- External temperature sensor L-TEMP1 (optional, up to 4 sensors) and 2 inputs for external light switches
- Support multi-protocol (BACnet, LON, Modbus and OPC)I
- Simple graphical programming with L-VIS configuration software included



LVIS-3ME7



LVIS-3ME12



LVIS-3ME15



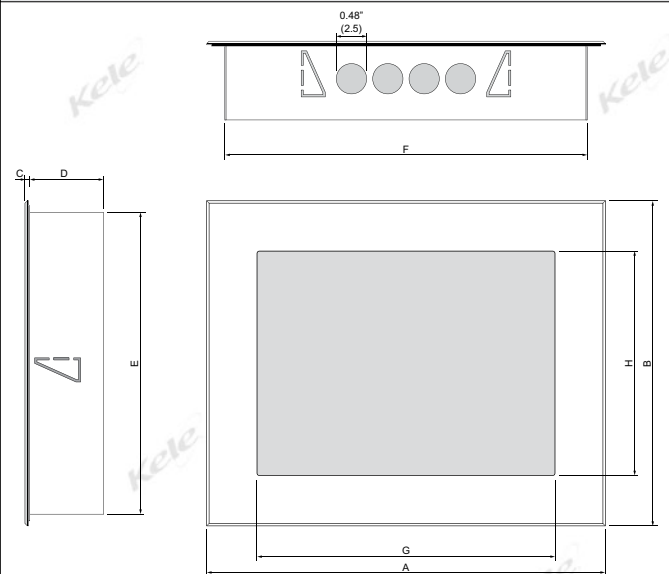
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NETWORK

SPECIFICATIONS

Supply Voltage	
LVIS-3ME7	20 to 35 VDC, 24 VAC ± 10%
LVIS-3ME12	24 VDC ± 10% or 85 to 240 VAC
LVIS-3ME15	24 VDC ± 10% or 85 to 240 VAC
Supply Watts	
LVIS-3ME7	3 Watts/8 Watts with backlight
LVIS-3ME12	2.5 Watts/13 Watts with backlight
LVIS-3ME15	2.5 Watts/16 Watts with backlight
Channels	7W/13W with backlight @ 85-240VAC
Communication	BACnet, LON, Modbus
Display Type	TFT Touch Display
Display	
LVIS-3ME7	7.0" (17.8cm)
LVIS-3ME12	12.1" (30.73 cm)
LVIS-3ME15	15.0" (38.1 cm)
Operating Temperature	50° to 104°F (10° to 40°C)
Operating Humidity	10-90% RH @ 122°F (50°C) (non-condensing)
Weight	
LVIS-3ME7-GX	3.04 lb (1.38 Kg)
LVIS-3ME12-AX	5.51 lb (2.50 Kg)
LVIS-3ME15-XX	7.72 lb (3.50 Kg)
LVIS-FRAME7	1.08 lb (0.49 Kg)
LVIS-FRAME12	2.31 lb (1.05 Kg)
LVIS-FRAME15	3.19 lb (1.45 Kg)
Approvals	CE, FCC
Warranty	2 years

DIMENSIONS

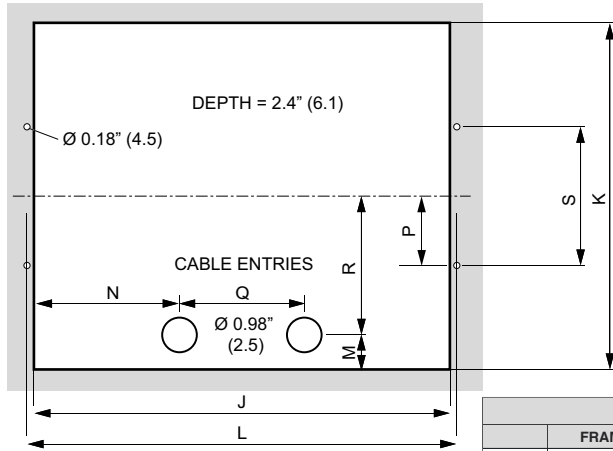


	-3ME7	-3ME12	-3ME15
A	8.79 (22.33)	12.95 (32.89)	15.51 (39.4)
B	6.38 (16.21)	10.56 (26.82)	12.44 (31.60)
C	0.16 (0.41)	0.16 (0.41)	0.16 (0.41)
D	2.40 (6.10)	2.40 (6.10)	2.40 (6.10)
E	5.59 (14.20)	9.80 (24.89)	11.53 (29.29)
F	7.64 (19.41)	11.77 (29.90)	13.90 (35.31)
G	6.04 (15.34)	9.69 (24.61)	11.98 (30.43)
H	3.62 (9.19)	7.29 (18.52)	8.99 (22.83)

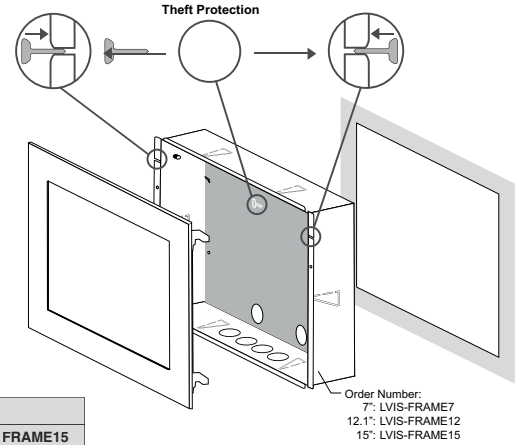


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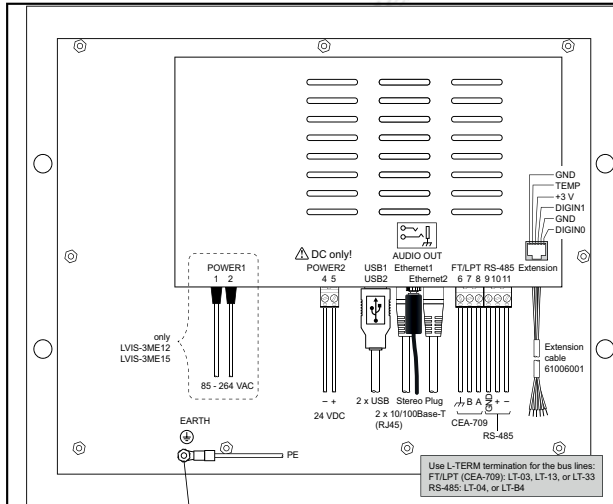
INSTALLATION



	FRAME7	FRAME12	FRAME15
J	7.68 (19.5)	11.81 (30.0)	13.98 (35.5)
K	5.63 (14.3)	9.84 (25.0)	11.61 (29.5)
L	8.11 (20.6)	12.2 (31.0)	14.37 (36.5)
M	0.83 (2.1)	0.98 (2.5)	1.87 (4.75)
N	2.44 (6.2)	4.13 (10.5)	5.22 (13.25)
P	1.18 (3.0)	1.97 (5.0)	1.84 (4.67)
Q	2.76 (7.0)	3.54 (9.0)	3.54 (9.0)
R	1.97 (5.0)	3.94 (10.0)	3.94 (10.0)
S	2.36 (6.0)	3.94 (10.0)	3.94 (10.0)



WIRING

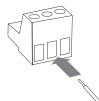


⚠️ PROTECTIVE EARTH MUST BE CONNECTED!

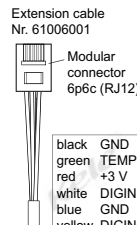
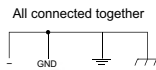
Connectors

POWER1 85-264 VAC	1	only LVIS-3ME12, LVIS-3ME15
	2	Power supply AC input
POWER2 24 VDC	4	Power supply DC input MINUS
	5	Power supply DC input PLUS
		⚠️ do not connect PLUS to GND
CEA-709 TP/FT-10	6	Input earth ground
	7	Input B
	8	Input A
RS-485	9	RS-485 GND
	10	RS-485 PLUS
	11	RS-485 MINUS

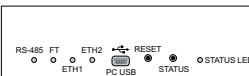
Weidmüller BLZP 5.08/03/180 (3 pin)
BLZP 5.08/02/180 (2 pin)



0,2 - 2,5 mm²



black GND
green TEMP
red +3 V
white DIGIN1
blue GND
yellow DIGINO



Status LEDs

RS-485 MS/TP	BACnet MS/TP enabled: GREEN flashing ORGANE flashing RED permanent with GREEN flashing RED flashing fast	Traffic on BACnet MS/TP (multi master) Traffic on BACnet MS/TP (single master) Token lost, cable might be broken Transceiver Errors, bad cabling
RS-485 Modbus	Modbus RTU enabled: GREEN flashing RED flashing	Traffic on Modbus RTU port Device not responding or network error
FT	GREEN flashing fast GREEN flashing at 1 Hz RED permanent RED flashing fast	Traffic on CEA-709 port CEA-709 port not commissioned CEA-709 port is damaged Traffic overload on CEA-709 port
ETH 1, ETH 2	GREEN GREEN flashing	Ethernet link Ethernet traffic
STATUS	GREEN OFF ORANGE flashing	Power on, Normal operation Power off Fall-Back Mode

Buttons

RESET	Reset
STATUS	CEA-709: Send service pin message / BACnet: Send I-Am message



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ORDERING INFORMATION

MODEL**LVIS-3ME7-G1****LVIS-3ME7-G2****LVIS-3ME12-A1****LVIS-3ME15-A1****LVIS-3ME15-G1****LVIS-3ME15-G2****LVIS-3ME15-G3****DESCRIPTION**

Touch Panel 7" for LON, BACnet, and Modbus, frameless glass front and capacitive touch, silver

Touch Panel 7" for LON, BACnet, and Modbus, frameless glass front and capacitive touch, black

Touch Panel 12.1" for LON, BACnet, and Modbus, aluminum frame with anodized finish

Touch Panel 15" for LON, BACnet, and Modbus, aluminum frame with anodized finish

Touch Panel 15" for LON, BACnet, and Modbus, frameless glass front and capacitive touch, silver

Touch Panel 15" for LON, BACnet, and Modbus, frameless glass front and capacitive touch, black

Touch Panel 15" for LON, BACnet, and Modbus, frameless glass front and capacitive touch, white

LVIS-FRAME7**LVIS-FRAME12****LVIS-FRAME15****L-TEMP1****LWLAN-800****ACCESSORIES**

Mounting frame for 7" Touch Panels

Mounting frame for 12.1" Touch Panels

Mounting frame for 15" Touch Panels

External temperature sensor

Wireless LAN Interface IEEE 802.11bgn