

MLC 400 Plus Specifications

Display

Screen type.....	IPS color LCD
Size	4.17" (106 mm), measured diagonally
Resolution	540 x 540
Pixel density.....	183 PPI
Aspect ratio	1:1
Color depth	16.7 M colors
Transparency	8 bit
Brightness	400 nits (cd/m ²)
Contrast	1200:1
Backlight	LED
Viewing angle.....	±85° Horizontal, ±85° vertical
Touch screen.....	Capacitive

Memory

SDRAM.....	1 GB
Flash	8 GB

Software

Configuration software	Global Configurator® Plus and Professional
Control apps.....	Extron Control
Resource management software ..	GlobalViewer® Enterprise
Utilities	Toolbelt, embedded web page

Ethernet

Network interface controllers (NICs)	1
Connector	1 female RJ-45 connector
Data rate	10/100Base-T, half/full duplex with autodetect
Protocols	ARP, DHCP, DNS, HTTP (redirect), HTTPS, ICMP, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS: 127.0.0.1

Serial

Quantity/type.....	2 bidirectional RS-232
COM 1	(1) 3.5 mm captive screw, 3 pole
COM 2	(1) 3.5 mm captive screw, 3 pole
Baud rate and protocol.....	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), even, or odd parity
Pin configurations	Pin 1 = Tx, 2 = Rx, 3 = Gnd

IR

Quantity/type.....	(1) 3.5 mm captive screw, 2 pole, for TTL level (0 to 5 V) infrared control up to 300 kHz (carrier and non-carrier)
Connector	(1) 3.5 mm captive screw, 2 pole
IR output carrier frequency	30 kHz to 300 kHz
Pin configurations	Pin 1 = signal, 2 = Gnd

Digital input

Quantity/type	1 digital input (configurable)
Connectors	(1) 3.5 mm captive screw, 2 pole
Digital input	
Input voltage range	0 to 24 VDC
Input impedance	>10k ohms
Programmable pullup	1k ohms to +5 VDC
Threshold low to high	>2.8 VDC
Threshold high to low	<2.0 VDC
Pin configurations	1 = digital input, 2 = Gnd

Relay

Quantity/type	2 normally open relays
Connector	(1) 3.5 mm captive screw, 3 pole
Contact rating	24 VDC, 1 A

Volume control

Quantity/type	1 volume control (compatible with select Extron amplifiers)
Connectors	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = ≤ 10 VDC reference voltage input, pin 2 = 0 to +10 VDC control voltage output, pin 3 = Gnd
Control voltage output range	0 to +10 VDC (± 0.2 volts), adjustable

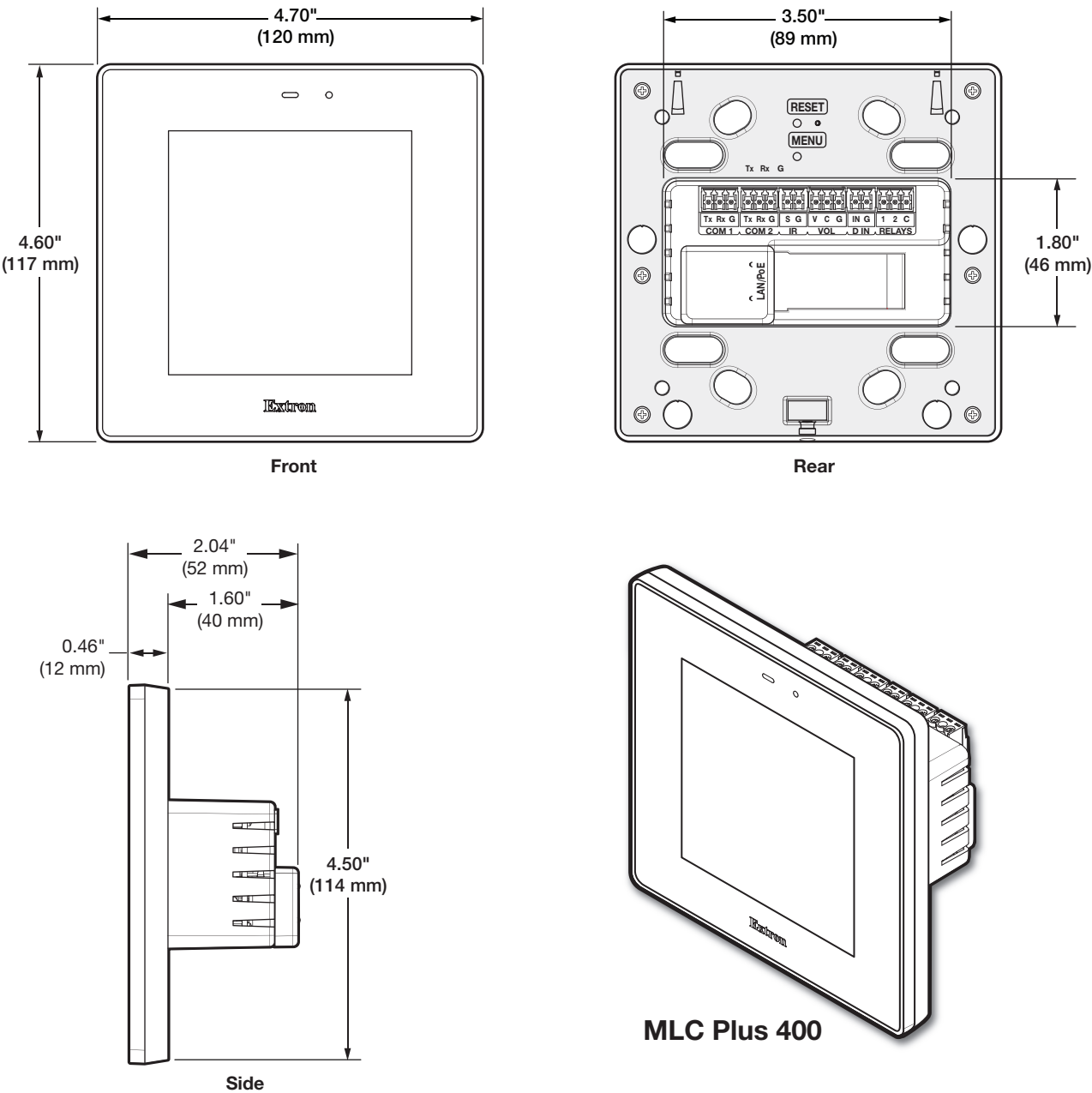
Sensors

Motion sensor	On/off
Light sensor	Auto/manual

General

Power supply	External (not included)
Power over Ethernet (PoE)	Complies with PoE 802.3af, class 3
Power over Ethernet supply	(Optional) Supplied by an external PoE inserter power supply
Input	100-240 VAC, 50-60 Hz
Output	PoE 802.3af, 48 VDC, 0.35 A, 16.8 watts
Power input requirements	Power over Ethernet (PoE) (complies with PoE 802.3af, class 3)
Power consumption	
Device	3.5 watts
Device and PoE injector	4.5 watts
Ambient temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +40 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Device	12.0 BTU/hr
Device and PoE injector	15.3 BTU/hr
Mounting	
Furniture or wall mount	Mounts in a standard 2-gang US electrical junction box and 2-gang EU cable channel/raceway or directly onto surface with the integrated clamps using the provided mounting plate
Enclosure type	Plastic
Enclosure dimensions	
Faceplate	4.60" H x 4.70" W x 0.46" D (117 mm H x 120 mm W x 12 mm D)

Device 1.80" H x 3.50" W x 1.60" D (46 mm H x 89 mm W x 40 mm D)
 (Depth excludes faceplate. Fits most 2 gang US electrical junction boxes and 2-gang EU electrical junction boxes. Allow at least 2.10" [53 mm] depth in the wall or furniture.)



Product weight 0.75 lb (0.34 kg)
 Regulatory compliance CE, C-Tick, c-UL, FCC Class A, ICES, UL, VCCI class A, RoHS, WEEE
 Product warranty 3 years parts and labor. Touchscreen display and overlay components are covered for 1 year.

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.