



Description

The MTS-C500-WWM is a compact **Multi-Purpose monochrome touch display** module designed to operate as a User Interface (UI) extension of an external Host system (PLC). The device does not function as a standalone controller and operates as a Modbus or BACnet Client (Slave).

Its modern and elegant design makes the MTS-C500-WWM suitable for wall-mounted installation in a wide range of commercial and residential environments.

The device is fully compatible with PLC systems utilizing Modbus or BACnet communication protocols.

The wall-mounted enclosure supports both vertical and horizontal installation orientations and is available in black or white frame finishes.

Built-in sensors: Temperature, Humidity, CO₂

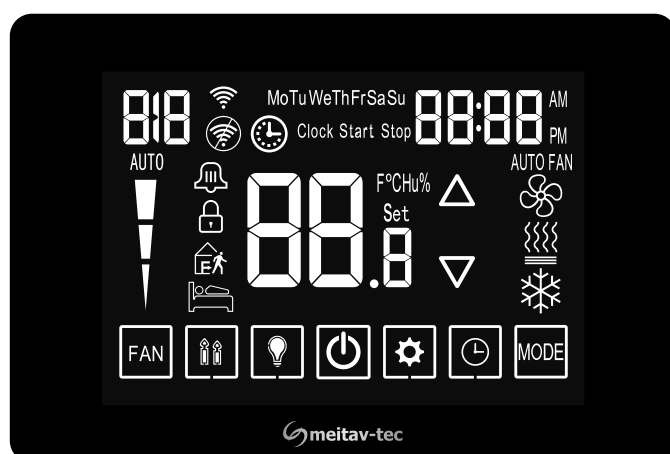
Features & Benefits

- Slim wall-mount design
- 12VDC power supply
- Supports BACnet and Modbus communication protocols for seamless PLC integration
- Full PLC interaction through LCD segments, icons, symbols, and configurable touch buttons (short and long press)
- Touch screen panel
- Optional segment grouping for simplified PLC communication
- Clear and intuitive graphical interface with multiple icons and status indicators
- Built-in sensors: Temperature, Humidity, CO₂
- RS485 communication terminals (A/B)

Technical specifications

▪ Operating voltage	12 VDC
▪ Temperature sensor	NTC 50K@25°C/77°F, 5°C÷35°C/41°F÷95°F
▪ Humidity sensor type	Digital capacitive humidity sensor, 10–90 %RH
▪ CO ₂ reading range	Non-Dispersive Infrared (NDIR) sensor, 400 PPM – 2,000 PPM
▪ Operating temperature	0°C÷50°C / 32°F÷122°F
▪ Storage temperature	-10°C÷60°C / 14°F÷140°F
▪ Storage/operating humidity	80%RH
▪ Plastic type (Base – option)	PC/ABS
▪ Flammability (Housing – option)	UL94V-0

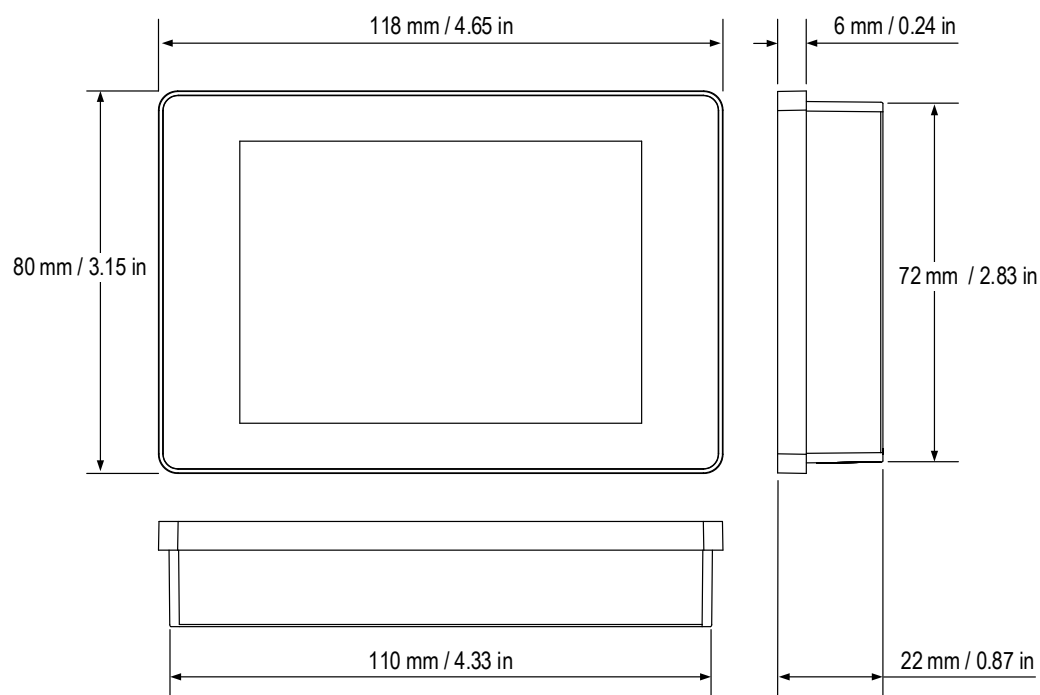
LCD display – Segments layout



Wiring diagram

–	+	A	B
12VDC		Communication	

Dimensions



The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Meitav-tec office or representative. Meitav-tec shall not be liable for damages resulting from misapplication or misuse of its products.

This document is subject to change without any notice.

© Copyright 2026 Meitav-tec Ltd'. All rights reserved.