

TD240

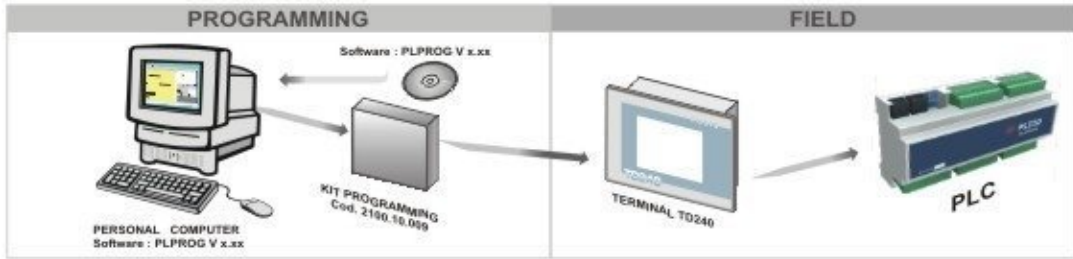
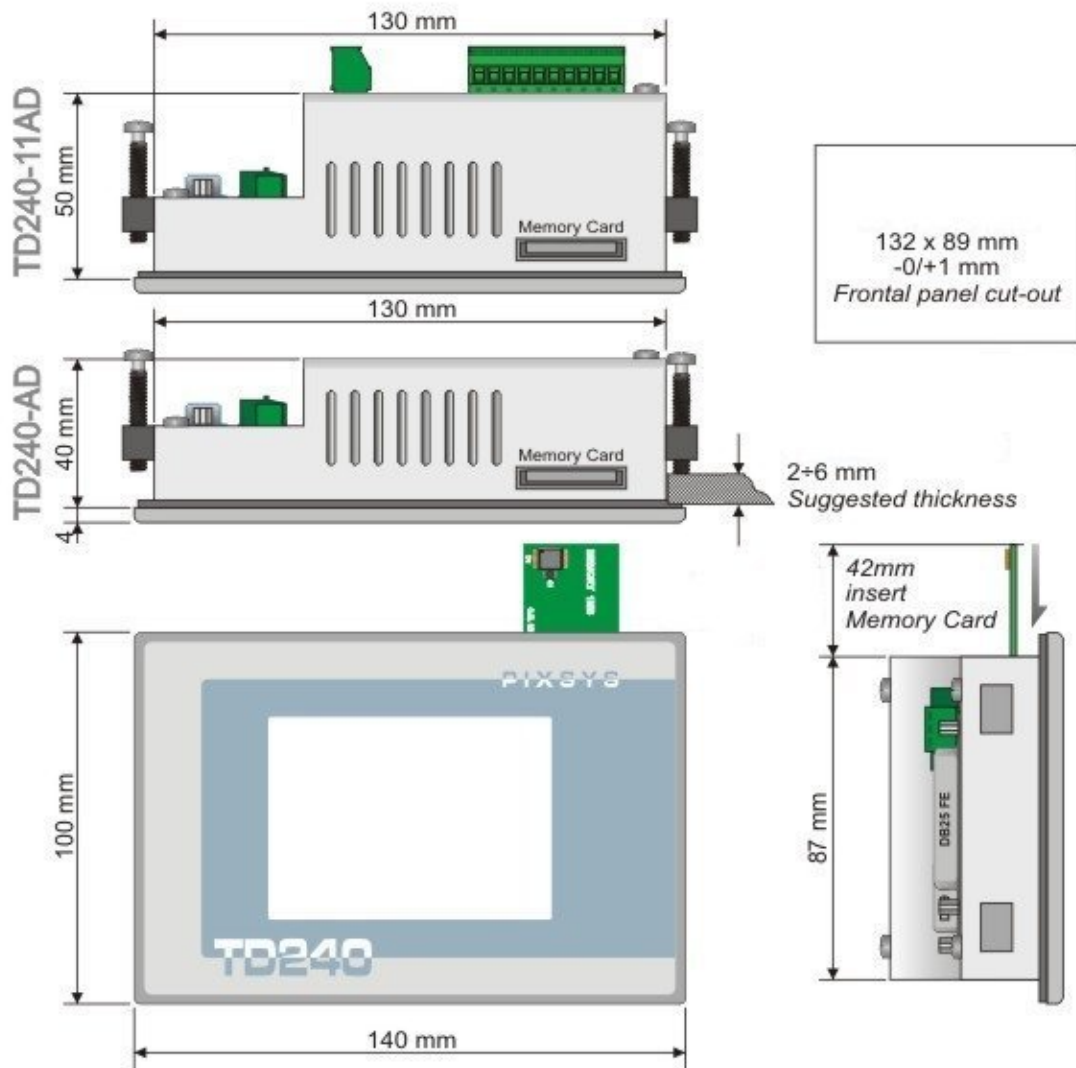
TD240 is a 320x240 pixel touch-screen with a 3.5" and 256 colour TFT display. This device has programmable PLC characteristics and uses the same Ladder language of DIN rail mounted PLCs. The graphics are programmable by TdDesigner using a "drag and drop" development environment.

It can be ordered with two different configurations, the first (TD240-AD) can be used only for graphics and interface through serial output MODBUS with external modules of analogical and digital I/O by two serial port RS232/485 Modbus RTU protocol or free-port. The second (TD240-11AD) integrates in the same product both visualization and the complete hardware interface with 4 universal analog inputs, 16 programmable digital I/O and 4 analog output. Memory-cards are available for the up-load of firmware.

Total memory is 512KByte, both firmware and programming memory flash (128KByte + 384KByte user memory for ladder and graphic programming). EEPROM memory to store user data (2KByte EEPROM area + 60KByte Memory area). RAM 2KByte with back-up battery. A memory card is available for program upgrade and/or data storage.

Technical data

- HOUSING: 140mm x 100mm (Front fascia) x 44mm (TD240-AD), 140mm x 100mm (Front fascia) x 65mm (TD240-11AD)
- POWER SUPPLY: 12-24Vac / 12-28Vcc
- POWER CONSUMPTION: 8W
- DISPLAY: LCD type TFT 320x240, 256 colours – 3.5" touch screen Resistive
- OPERATING CONDITIONS: 0-45°C, 35-95rH%
- SEALING: IP54 Frontal, IP30 Box
- INPUTS:
 - TD240-11AD: 4 universal analog inputs 0...1/10V, 0...20mV, 0/4...20mA, PT100, NI100, TC K, S, T, R, J, E, NTC 16 bit
 - TD240-11AD: 16 programmable digital inputs PNP (total 16 DI/DO)
- OUTPUTS:
 - TD240-11AD: 16 programmable static outputs 12/24Vdc 700mA (max 3A each 8 output block) (total 16 DI/DO)
 - TD240-11AD: 4 analog outputs selectable as 0...10V / 0/4...20mA 12bit
- HARDWARE AND SOFTWARE DATA:
 - Serial port COM2 available with interface RS485 / RS232
 - Serial port EXP1 available with interface RS485 / RS232
 - Modbus RTU protocol, free-port, proprietary protocols
 - Flash memory 384KByte for programming
 - Non-volatile RAM memory 20Kbyte (6 months)
 - EEPROM memory 62Kbyte
 - Real-Time Clock
 - Ladder programming by PLProg for Windows
 - Graphics programming by TdDesigner for Windows
 - 800 markers (logic relays)
 - 128 bistable relays
 - 128 timers 16bit
 - 64 counters (up & down)
 - Mathematical and logic formulas
 - Integrated PID control algorithm
 - Range and Rescale functions
 - Contacts bit
 - Programming execution time 8ms min.
 - 2 timed interrupts (1ms min.)



MODEL	INPUTS	SERIAL	POWER SUPPLY
TD240-AD	Touch Panel 3,5"	2 Serial Port Selectable RS 232 / RS485	12 ...24 Vac/dc +/-10% 50/60 Hz
TD240-11AD	Touch Panel 3,5" + PLC with 4 universal analog inputs and 16 programmable I/O digitals.		