

» TD240 HMI touch screen with LCD TFT 3,5

» Ordering code

Domotics and Building automation
 HMI
 Visualization and datalogger
 Integrated PLC functions
 Chiller controllers
 Weighing systems
 Packaging



» Description

TD240 is a 320x240 pixel touch-screen with a 3.5" and 256 colours TFT display. This device integrates the range of Operator panels besides TD320 model. It has programmable PLC characteristics, the same Ladder language of DIN rail mounted PLCs and the graphics is programmable by TdDesigner, the same "drag and drop" development environment of TD320 terminal.

It enables to set and visualize data, images, help messages, flashing texts, as well as the alarms management on historical buffer and profiles storage for process/set-point variables. Through development environment PLProg (the same of Pixsys PLCs), it is possible to integrate the logic into the terminal.

It can be ordered with two different configurations, the first one (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 one (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

BOX: 140mm x 100mm(Frontal) x 44mm (TD240-AD), 140mm x 100mm(Frontal) 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

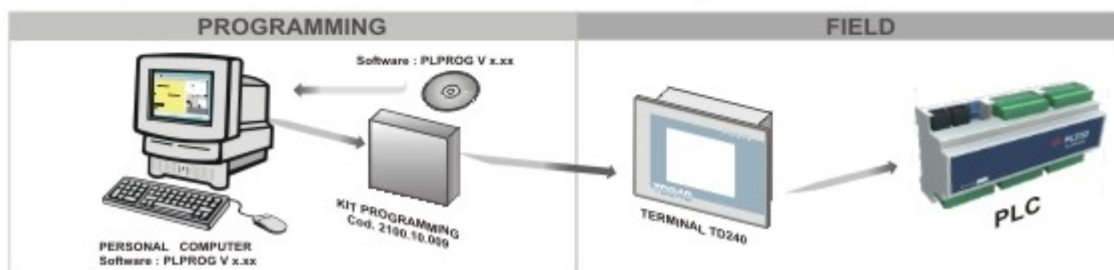
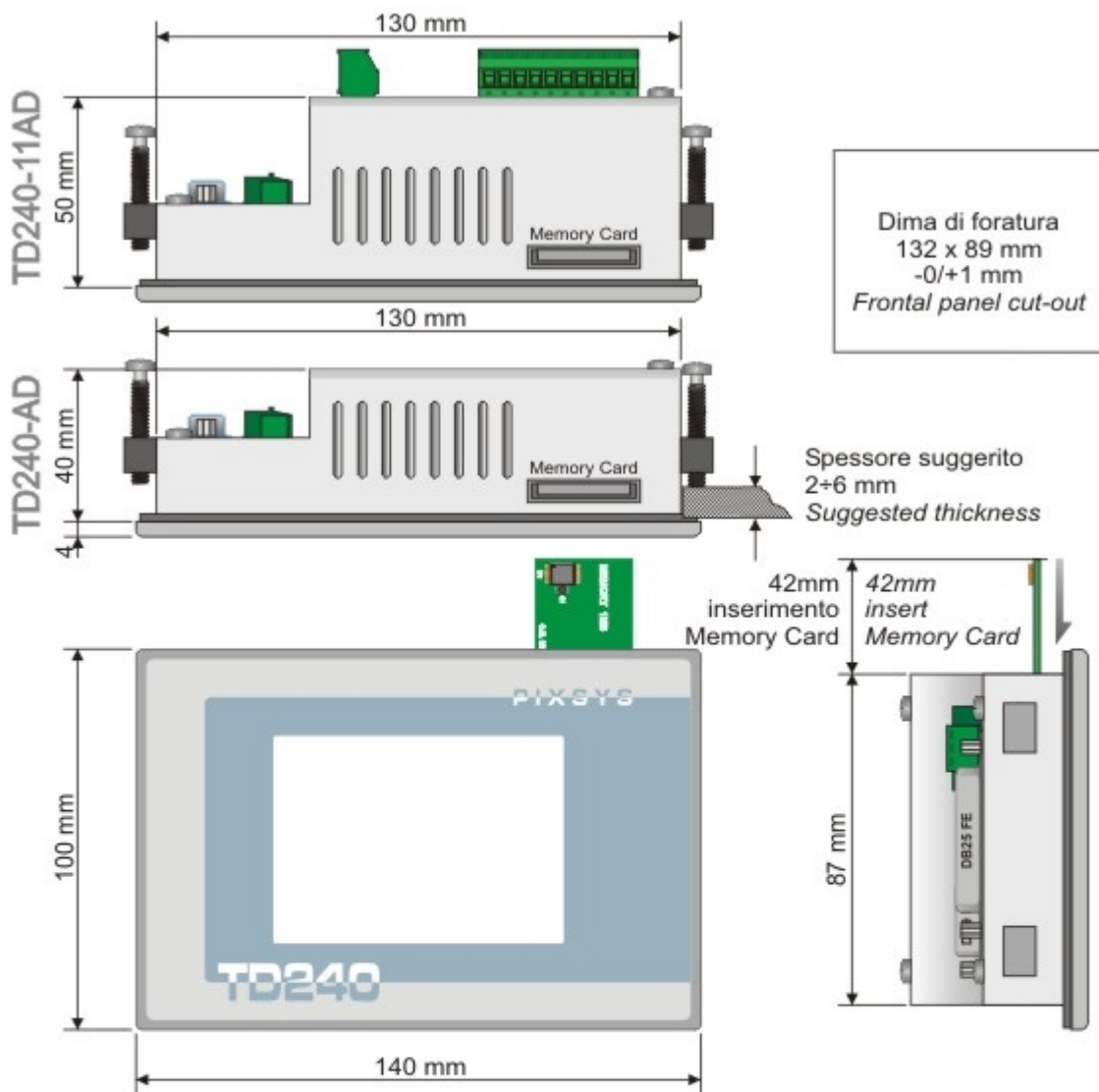
Contacts bit

Programming execution time 8ms min.

2 timed interrupts (1ms min.)

» Ordering Code

» Installation



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.		

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