



TD240

Touch-screen HMI 3,5" 256colors, integrated PLC

HMI with soft-PLC, available in two different versions. Basic model HMI + soft-PLC requires external modules MCM260 or other Modbus devices (controllers-actuators-sensors) as I/O. A compact version features analogue and digital resources already on board, integrating HMI and PLC in a single device (expansion modules MCM260 may be used if additional I/O are required).

Development environments Pixsys PLprog and TDdesigner allow to program both the logic by ladder diagram as well the graphics. Memory Cards are available to download firmware and programs, enabling also the upgrade of devices already installed.

Ordering codes

TD240-AD	HMI 3,5" with soft-plc, 2 serial RS232/RS485 - Modbus
TD240-11AD	HMI 3,5" with soft-plc + 16 digital I / O + 4 Universal analogue inp. + 4 analogue out 0...10Volt + 2 serial RS232/RS485

Main features

Box	140x100 (front panel) x 40 mm (-AD) or 65mm (-11AD)
Power supply	12...24Vac/Vdc \pm 15% 50/60 Hz
Consumption	8W
Display	Display LCD TFT 3,5" - 256 Colours, Integrated Touch-screen
Operating conditions	Temperature 0-45 °C, humidity 35..95 uR%
Material	Front panel: aluminium with polycarbonate coverage; Box: chromed steel
Weight	Approx. 690gr code-AD, approx. 750gr code-11AD
Sealing	IP54 (Front panel) , IP20 (Box and Terminal blocs)
Quick set-up options	SLOT Memory Card (MMC) for programs download (Ladder+graphics)
Expansions	Modules MCM260-1/2/3/4/5 or other Modbus devices

Inputs

Analogue	4 Selectable for TC, K, J, S, R, T, E, PT100,PT1000, PT500, Ni100, NTC10K, (B 3435K), PTC1K (kty1000) 0/4..20 mA, 0/1..10 V (code TD240-11AD)
Digital	16 Selectable as inputs / outputs (code TD240-11AD)

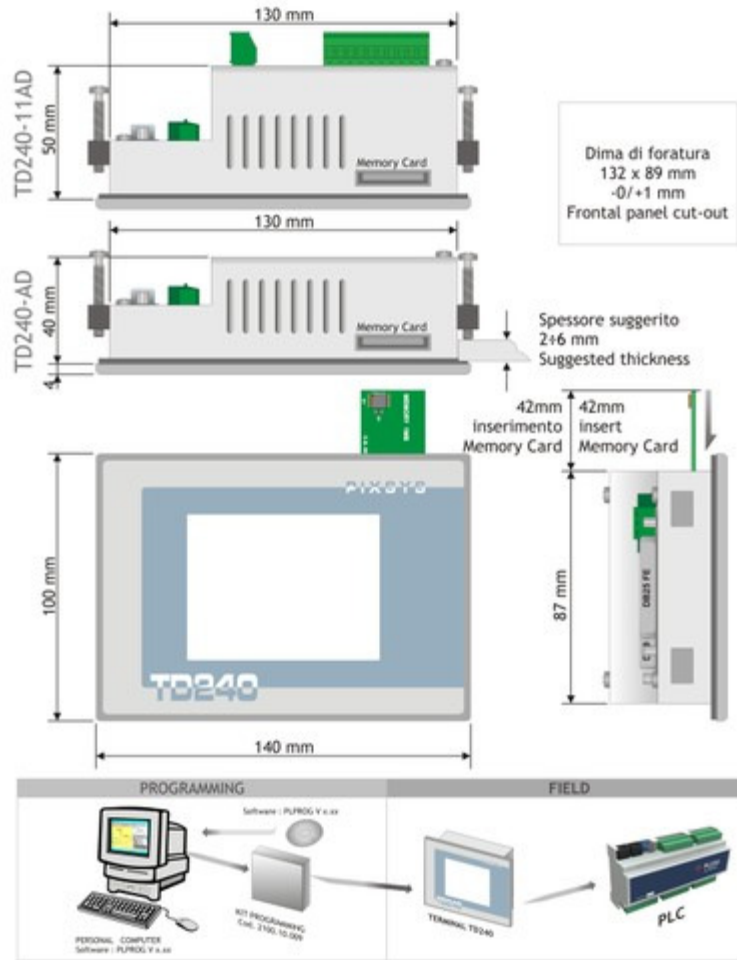
Outputs

Digital	16 Selectable as static outputs 700mA or digital inputs (code TD240-11AD)
Analogue	4 outputs 0...10Volt (code TD240-11AD)
Serial ports	2 serial ports RS232/RS485

Software features

Programming	Pixsys PLprog software, Ladder diagrams; 10Kword variables VW, 800 marker (logic relays), 128 bistables, 128 timer 16 bit, 64 up-down counters, mathematic and logic functions, rescale function, contact on bit
Graphic interface programming	Pixsys TDdesigner software
Communication protocols	Modbus RTU master / slave; Free-Port mode for Modem protocols or proprietary devices.
Memory	384Kbyte Flash for programming, 20Kbyte non-volatile Ram (6 months), 62Kbyte EEPROM
Clock	Real-Time clock, Back-up battery
Analogue inputs control algorithms	P, PI, PID, PD

Size and installation



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