

# Millenium 3 accessories

## → Programmable touch panels MTP6/50 & MTP8/50

### MTP6/50 & MTP8/50

- 4.3" TFT-LCD compact resistive touch panels, 65536 colors, LED backlight
  - Graphical resolution : 480 x 272 pixels
  - Wide viewing angle : 70° horizontally and vertically
  - Fan-less cooling system
  - Text, data, graphic, animation display
  - Processing of alarms and recipes
  - 400 M Hz core logic, 64 MB RAM
  - 128 MB flash memory storage
  - Direct communication via the Millenium 3 programming port
  - Programmable with user-friendly EB software (compatible with Windows 2000/XP/Vista/7)
  - RS232/RS485 serial port
- MTP6/50**
- USB 2.0 port (programming)
- MTP8/50**
- Ethernet port (programming and communication)



### Part numbers

Type	Designation	Size	Programming	Connection	Code
RD	MTP6/50 user kit (fixing brackets, MTP-M3 cable)	4"3	USB-MiniUSB cable	Direct connection M3-MTP Modbus RS232/RS485 serial port	<b>88970492</b>
	MTP8/50 user kit (fixing brackets, MTP-M3 cable)	4"3	Ethernet RJ45 crossover cable	Direct connection M3-MTP Modbus RS232/RS485 serial port, Ethernet TCP/IP port	<b>88970494</b>
PA	MTP6/50-MTP8/70 programming kit - USB-MiniUSB connection (EB /helpfile CD, USB-MiniUSB cable)	-	-	-	<b>88970501</b>
	MTP8/50-MTP8/70 programming kit - Ethernet crossover connection (EB/ helpfile CD, RJ45 crossover cable)	-	-	-	<b>88970502</b>

### Accessories

Type	Description	Code
MA	Modbus cable for MTP6/50 & MTP8/50	<b>88970503</b>

### General characteristics

Environmental characteristics	
Certifications	UL, cUL
Conformity to standards	IEC 61000-4
Operating temperature	0 → +45 °C
Storage temperature	-20 → +60 °C
Relative humidity	10 → 90 % (operation)
Protection rating	IP65 - Dust and droplets Front panel seal watertight at standard
Vibration resistance	10 - 25 Hz, 2G 30 minutes in each of the X, Y, Z axes
Shock resistance	Free fall from 1 meter in each of the X, Y, Z axes
Electrical characteristics	
Supply voltage	24 V <sub>DC</sub> Internal insulation via transformer
Voltage limits	19.2 → 28.8 V <sub>DC</sub>
Consumption	7.2 W max
Mechanical characteristics	
Dimensions (l x h x w)	128 x 102 x 38 mm Useful screen area : 95 x 54 mm
Panel cut-out	119 x 93 mm Panel thickness 1-10 mm
Mounting	Built-in, fixing by 2 screw clamps (supplied) for 1 to 10 mm panel
Connection	Removable 3-pin screw terminal block (supplied)
Weight	~ 300 g

## Display characteristics

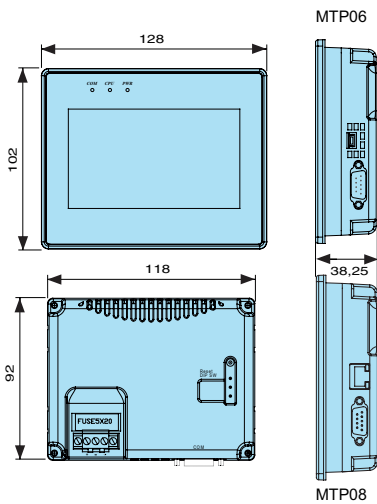
Description	TFT-LCD 4.3" polychrome, 65536 colors LED backlight Resolution 480 x 272 pixels 400 M Hz core logic, 64 MB RAM 128 MB flash memory (programs and recipes backup) Programmable with EB software Touch panel with user-definable layout Key life : 1 million operations minimum
Display details	Straight lines, free lines, squares, ovals, arcs, polygons, bitmaps, animations.gif, standard fonts
Functions	Buttons, switches, levers, LEDs, messages, data, password-secured buttons, triggers Bar charts, linear gauges, clocks, alphanumeric keyboards, graphics, recipes, alarm lists Text scrolling, multiple windows, data transfer, multiple language Archive
Connection	<b>Communication</b> <b>MTP6/50 and MTP8/50</b> Direct M3-MTP communication (supplied) RS485 Modbus connection : 2/4 cables (2 cables with accessory 88970503) <b>MTP8/50</b> Modbus TCP/IP connection via Ethernet port  <b>Programming</b> <b>MTP6/50</b> PC-MTP6/50 link via USB-MiniUSB cable (accessory) <b>MTP8/50</b> PC-MTP8/50 link via Ethernet RJ45 crossover cable (accessory)
Real-time clock	Uses Millenium clockor built-in clock

## Comments

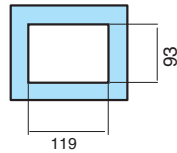
For use with 24 V $\overline{\text{---}}$  Millenium 3 units only

## Dimensions (mm)

RD



Panel cut-out



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