

## Programmable touch panels MTP6/50 & MTP8/50 PA Part number 88970502



### 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 Millennium 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 |
|----------|------|--|------|-------------|------------|
| 88970502 | PA   | MTP8/50-MTP8/70 programming kit - Ethernet crossover connection (EB/helpfile CD, RJ45 crossover cable) | -    | -           | -          |

### Specifications

#### 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<br>Front panel seal watertight at standard |
| Vibration resistance    | 10 - 25 Hz, 2G<br>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 VDC<br>Internal insulation via transformer |
| Voltage limits | 19,2 → 28,8 VDC                               |
| Consumption    | 7,2 W max                                     |

#### Mechanical characteristics

|                        |  |
|------------------------|--|
| Dimensions (l x h x w) | 128 x 102 x 38 mm<br>Useful screen area : 95 x 54 mm               |
| Panel cut-out          | 119 x 93 mm<br>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                 | AC 300 g   |

#### Display characteristics

|                 |  |
|-----------------|--|
| Description     | TFT-LCD 4.3" polychrome, 65536 colors<br>LED backlight<br>Resolution 480 x 272 pixels<br>400 M Hz core logic, 64 MB RAM<br>128 MB flash memory (programs and recipes backup)<br>Programmable with EB software<br>Touch panel with user-definable layout<br>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<br>Bar charts, linear gauges, clocks, alphanumeric keyboards, graphics, recipes, alarm lists<br>Text scrolling, multiple windows, data transfer, multiple language<br>Archive                                  |
| Connection      | Communication<br>MTP6/50 and MTP8/50<br>Direct M3-MTP communication (supplied)<br>RS485 Modbus connection : 2/4 cables (2 cables with accessory 88970503)  |

|                 |   |
|-----------------|---|
|                 | MTP8/50<br>Modbus TCP/IP connection via Ethernet port   |
|                 | Programming<br>MTP6/50<br>PC-MTP6/50 link via USB-MiniUSB cable (accessory)<br>MTP8/50<br>PC-MTP8/50 link via Ethernet RJ45 crossover cable (accessory) |
| Real-time clock | Uses Millenium clockor built-in clock   |

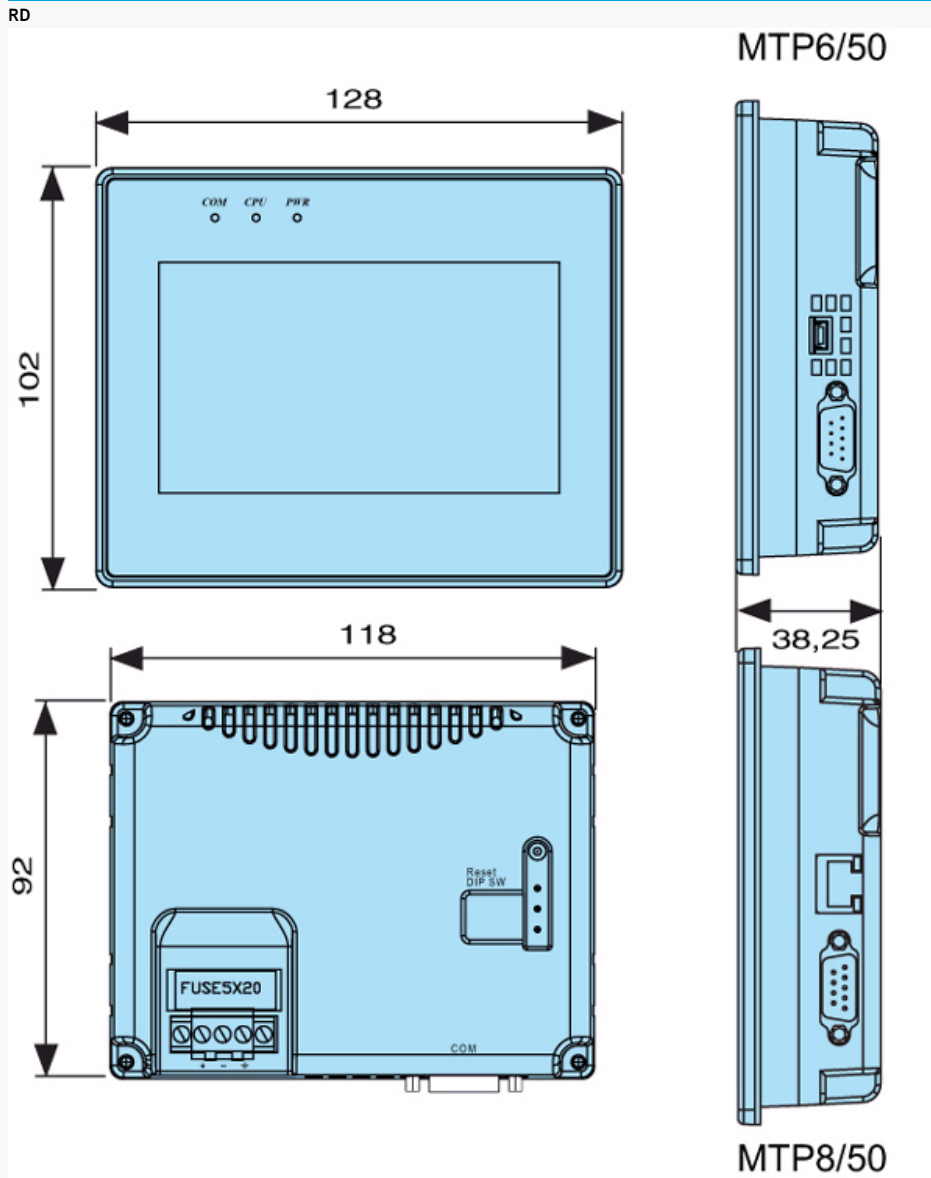
### Accessories

| Type | Description                        | Code     |
|------|------------------------------------|----------|
| MA   | Modbus cable for MTP6/50 & MTP8/50 | 88970503 |

### Comments

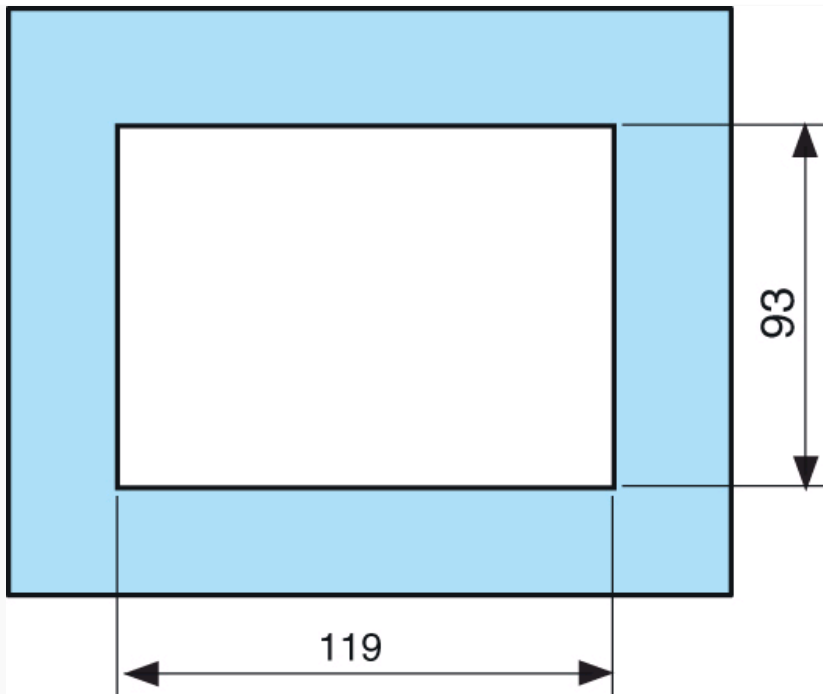
For use with 24 V DC Millenium 3 units only

### Dimensions (mm)



### Dimensions (mm)

Panel cut-out



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