

## Programmable touch panels MTP6/50 & MTP8/50 PA Part number 88970501



### 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 |
|----------|------|-----------------------------------------------------------------------------------------------|------|-------------|------------|
| 88970501 | PA   | MTP6/50-MTP8/70 programming kit - USB-MiniUSB connection (EB /helpfile CD, USB-MiniUSB 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<br><br>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                                                                                                                                                                                |

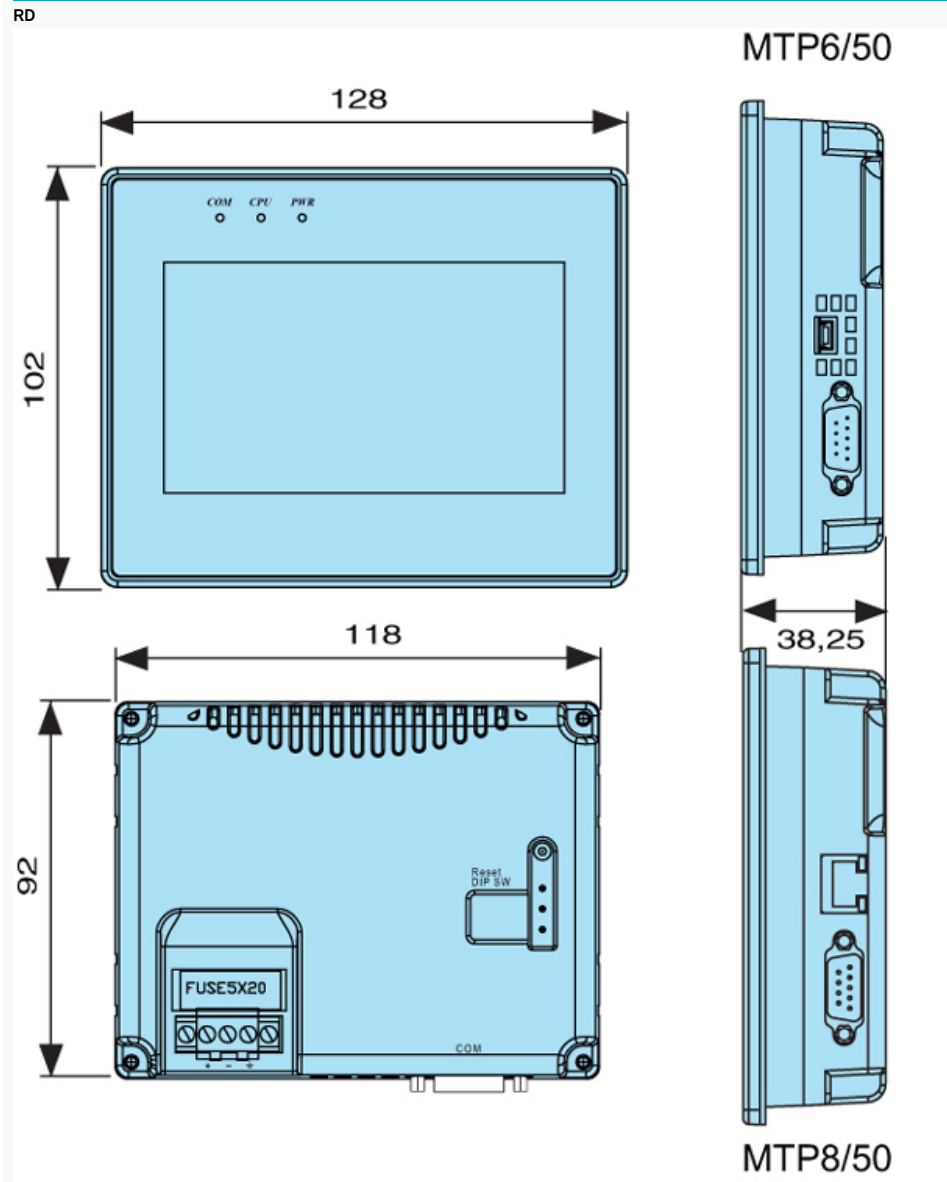
Accessories

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

Comments

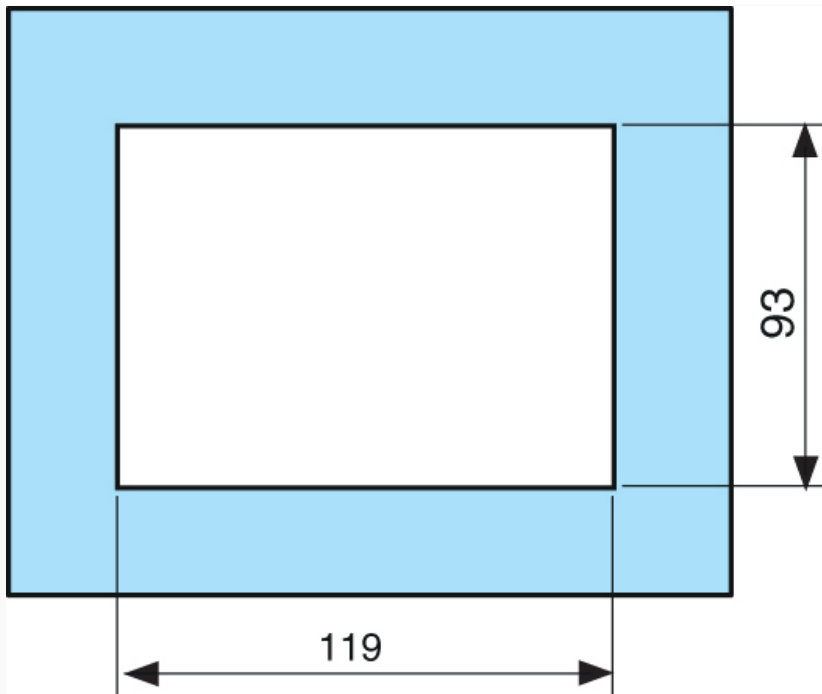
For use with 24 V DC Millenium 3 units only

Dimensions (mm)



Dimensions (mm)

Panel cut-out



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Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct     +86 (21) 6401-6692  
  
Email       amall@ameya360.com  
  
QQ         800077892  
  
Skype      ameyasales1 ameyasales2

➤ Customer Service :

Email       service@ameya360.com

➤ Partnership :

Tel         +86 (21) 64016692-8333  
  
Email      mkt@ameya360.com