## MTP05 & MTP05C programmable touch panels RD Part number 88970432




- Compact touch panel 3.5" STN monochrome with very high visibility
- 3 colour blacklight: green, orange, red
- Compact touch panel 3.5" STN 4096 colours
- White blacklight

- QVGA graphic resolution 320 x 240 pixels - 24 lines of 32 characters
- Large viewing angle: 50° horizontally, 60° vertically
- Text, data, graphic display
- Processing of alarms and recipes
- Direct communication via the Millenium 3 programming port
- Programmable with user-friendly MTPWIN software (compatible with Windows 2000/XP/Vista), with rapid transfer by USB cable
- Options: backup battery, SD memory up to 1 GB

| | Type | Designation |
|---|---|---|
| 88970432 | RD | User kit MPT05 (MPT05, fixing brackets, connector, MTP-M3 cable) |
| 88970434 | RD | MTPWIN relay programming pack (CD, PC - MTP05 USB cable) |
| 88970433 | RD | User kit MPT05C (MPT05C, fixing brackets, connector, MTP-M3 cable) |
| 88970434 | RD | MTPWIN relay programming pack (CD, PC - MTP05 USB cable) |

| | |
|---|---|
| Environmental characteristics | |
| Certifications | UL, cUL |
| Conformity to standards | IEC 61131-2 |
| Operating temperature | 0 →+50°C |
| Storage temperature | -20 →+60°C |
| Relative humidity | 20 →85% (operation)<br>10 →85% (storage) |
| Protection rating | IP65 - Dust and droplets<br>Front panel seal watertight as standard<br>Can be replaced using sealing kit 88970444 |
| Vibration resistance | 10-55 Hz (1 min cycle)<br>Double amplitude 0.75 mm, 10 min in each of the X, Y, Z axes |
| Shock resistance | 98 $m/s^2$ min 4 times in each of the X, Y, Z axes |
| Electrical characteristics | |
| Supply voltage | 24 V DC<br>Internal insulation via transformer |
| Voltage limits | 21.6 →26.4 V DC |
| Consumption | ≤ 2.4 W |
| Mechanical characteristics | |
| Dimensions (l x h x w) | 110 x 92 x 30 mm<br>Useful screen area 73 x 55.2 mm |
| Panel cut-out | 99.2 x 85.2 mm<br>Panel thickness 1 →5 mm |
| Mounting | Flush-mounted, fixing by 2 yoke screws (supplied) for 1 to 5 mm panel |
| Connection | Removable 8-pin screw terminal block (supplied) |
| Connection capacity | 0.22 to 0.25 Nm max. |
| Weight | ± 230 g |
| Display characteristics | |
| Description | MTP05<br>LCD monochrome 3.5" STN<br>Backlighting in 3 colours: green, orange, red<br><br>MTP05C<br>LCD 4096 colours 3.5" STN<br>White backlighting<br><br>MTP05 & MTP05C<br>Resolution 320 x 240 pixels<br>24 lines of 32 characters<br>2048 Kb flash memory (program & recipe backup)<br>Programmable with MTPWIN software<br>Touch panel with user-definable layout 8 pixels min.<br>Contact pressure 0.8 Nm max.<br>Key life: 1 million operations minimum |
| Option | Clock and values backed up by lithium battery part no. 88970445<br>Copying, backup or retrieval of screen data on SD memory card (1 GB max, card not supplied) |
| Display details | Straight lines, continuous straight lines, squares, ovals, arcs, fan shape, bevelled squares, bitmaps |
| Functions | Messages, indicators, buttons, data, bar charts, clocks, keypads, line graphs and alarm list.<br>Recipes, text scrolling, alarm log, language switching. |
| Connection | PC→MTP05 link via USB interface (USB type B cable)<br>Millenium→MTP05 direct link using the Millenium programming port via the communication cable |

*Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected*

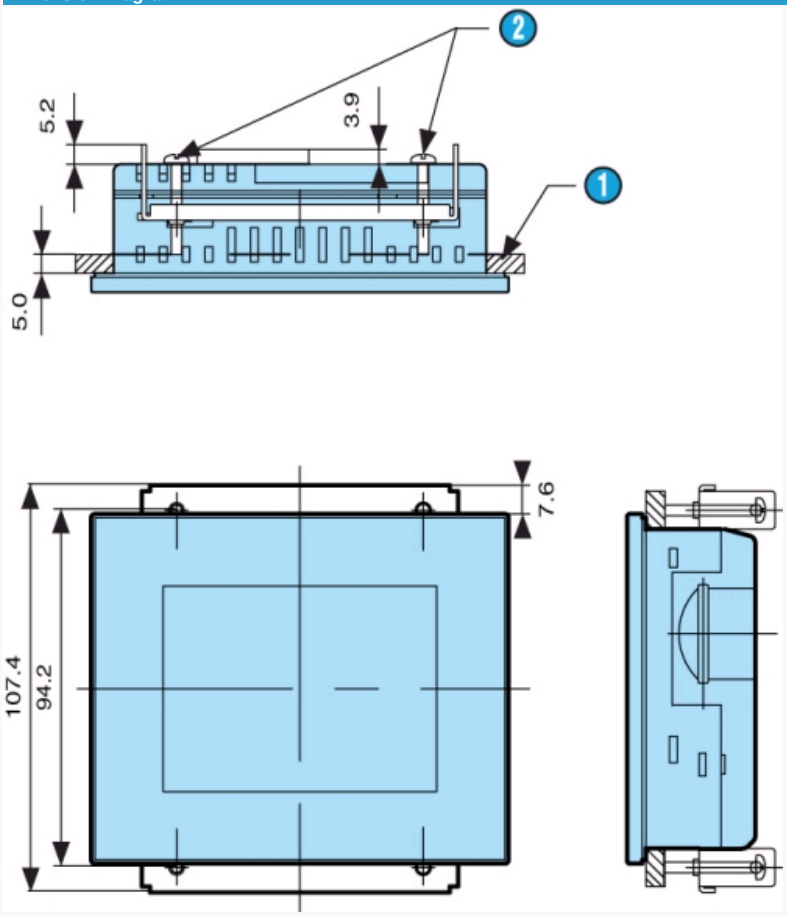
| | |
|---|---|
| Number of screens | 240 approx, depending on the program size |
| Real-time clock | Uses the Millenium clock or a built-in clock (runs on a lithium battery part no. 88970445) |
| Languages | English, French, German, Italian, Spanish, Japanese, Korean, simplified Chinese, traditional Chinese, Turkish. |

| Type | Description | Code |
|---|---|---|
| MA | Front panel protective membranes (pack of 10) | 88970443 |
| MA | Front panel sealing kit (pack of 10) | 88970444 |
| MA | Backup battery for MTP05 | 88970445 |

**Comments**

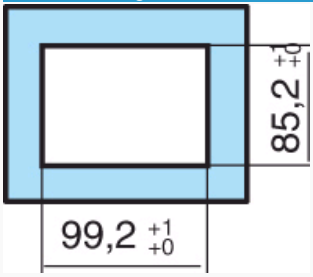
For use with 24 V DC Millenium 3 units only

**Dimension Diagram : RD**

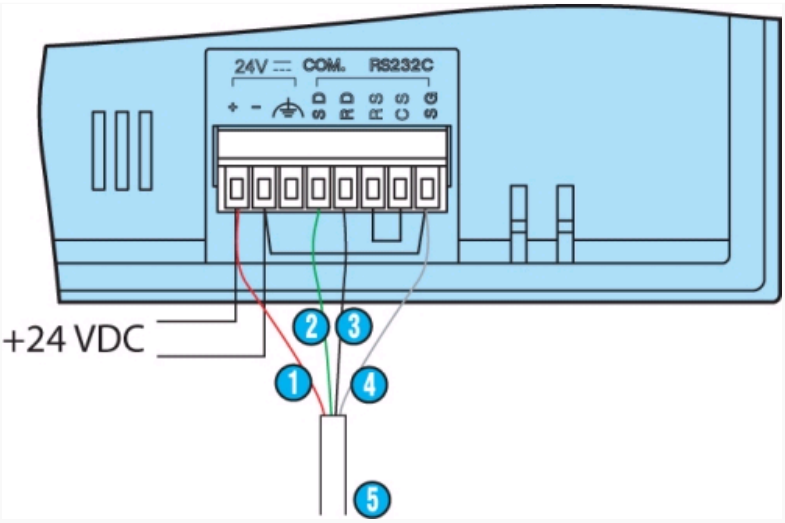



| Nº | Legend |
|---|---|
| 1 | Panel |
| 2 | If 5 mm panel |

**Dimension Diagram : Panel cut-out**




**: MTP05**




| Nº | Legend |
|---|---|
| 1 | Red |
| 2 | Green |
| 3 | Black |
| 4 | White |
| 5 | MTP →Millenium 3 cable |