

Millenium 3 accessories

→ MTP01 programmable touch panel

- Compact touch panel 3" STN monochrome with very high visibility
- 3 colour backlight: green, orange, red
- Graphic resolution 128 x 64 pixels - 6 lines of 12 characters
- Text, data, graphic display
- Processing of 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 RS232C cable



Part numbers

| Type | Designation | Code |
|---|--|----------|
| RD | User kit (MTP01, fixing brackets, connector, MTP-M3 cable) * | 88970452 |
| | MTPWIN programming pack (CD, PC-MTP01 USB cable) | 88970454 |
| * For use with 24 V DC Millenium 3 units only | | |

Accessories

| Type | Description | Code |
|------|---|----------|
| MA | Front panel protective membranes (pack of 10) | 88970448 |
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| PA | Programming cable RS232 | 88950105 |

General characteristics

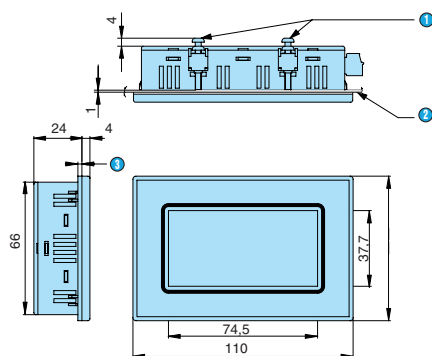
| Environmental characteristics | |
|-------------------------------|---|
| Certifications | UL, cUL |
| Conformity to standards | EN 61000-6-2, EN 61000-6-4 |
| Operating temperature | 0 → +50°C |
| Storage temperature | -20 → +60°C |
| Relative humidity | 20 → 85% (operation) 10 → 85% (storage) |
| Protection rating | IP65 - Dust and droplets Front panel seal watertight as standard Can be replaced using sealing kit 88970449 |
| Vibration resistance | 10-55 Hz (1 min cycle) 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 --- Internal insulation via transformer |
| Voltage limits | 21.6 → 26.4 V --- |
| Consumption | ≤ 2 W |
| Mechanical characteristics | |
| Dimensions (l x h x p) | 110 x 72 x 24 mm Useful screen area 70.38 x 35.18 mm |
| Panel cut-out | 105 x 67 mm 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) |
| Max. Tightening torque (Nm) | 0.22 → 0.3 Nm |
| Connection capacity | AWG 28-16 |
| Weight (g) | ± 160 |

Display characteristics

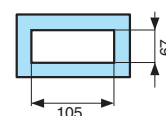
| | |
|-------------------|---|
| Description | <p>LCD monochrome 3" STN - Resolution 128 x 64 pixels 6 lines of 12 characters Backlighting in 3 colours: green, orange, red 384 Kb memory capacity (program & recipe backup) Programmable with MTPWIN software Touch panel with user-definable layout 8 pixels min. Contact pressure 0.5 Nm max. Key life: 1 million operations minimum</p> |
| Display details | Straight lines, continuous straight lines, squares, ovals, arcs, fan shape, bevelled squares, bitmaps |
| Functions | <p>Messages, indicators, buttons, data, bar charts, clocks, keypads, line graphs and alarm list. Recipes, flow display, write device, language switching.</p> |
| Connection | <p>PC → MTP01 link via RS232C Millenium → MTP01 direct link using the Millenium programming port via the communication cable</p> |
| Number of screens | 160 approx, depending on the program size |
| Real-time clock | Uses the Millenium clock |
| Languages | English, French, German, Italian, Spanish, Japanese, Korean, simplified Chinese, traditional Chinese, Turkish. |

Dimensions (mm)

MTP01



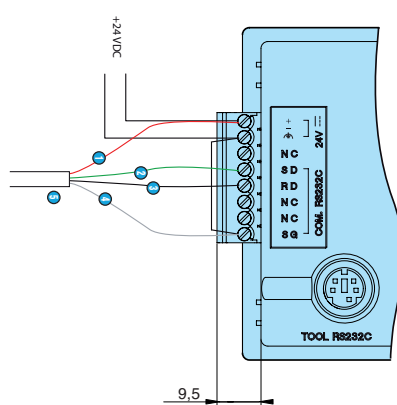
Panel cut-out



- ① Thickness: 5 mm
- ② Panel cut-out
- ③ Sealing ring

Connections

MTP01



- ① Red
- ② Green
- ③ Black
- ④ White
- ⑤ MTP → Millenium 3 cable