# MILLENIUM 3 SMART

**88974045**
Millenium 3 Smart CD12 8 In 4 Out Relay 12V dc

- Highly visible blue display
- -20…+70 °C temp range
- Digital and analogue inputs
- Multi control voltages (ac & dc)
- Expandable to up to 50 I/O

## PRODUCT DESCRIPTION

Millenium 3 is a compact control unit with powerful functions that provides the capability to build both simple and more complex control and monitoring functions. A few examples of fields of application are air conditioning and heating systems, authorisation controls, vending machines, packaging, pump control and advertising signs. Millenium 3 has the most extensive function library on the market and can even be programmed in Ladder. Function block examples: Time functions, counters, connection timers, mathematical blocks or blocks for analogue signals, logic functions, control of motors, pump control and PID regulation. Millenium 3 also includes "SFC blocks", which are very useful for sequence programming. Models CB12 and CB20 are budget models without displays and settings buttons.There are a few different start kits for quickly getting started with Millenium. These start kits include, besides a Millenium, cable and software, with everything delivered attractively packaged in a special box.

# TECHNICAL DATA

## GENERAL DATA

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|---|---|
| **Number of inputs** | 8 |
| **Number of outputs** | 4 |
| **Supply voltage** | 12 V DC |
| **Expandable** | No |
| **Display** | Yes |
| **Immunity from micro power cuts** | 1 ms |
| **Memory for data** | 368 bits / 200 words, stored for 10 years |
| **Programming method** | Functionblocks / SFC or Ladder |
| **Program memory** | Flash EEPROM |
| **Program size** | FBD 700 blocks, Ladder 120 rows normally |
| **Real time clock** | Yes |
| **Measurement range analog inputs** | 0-10 V DC, 0-12 V DC |
| **Logic 1 voltage threshold (DC input)** | 7 V |
| **Logic 0 voltage threshold (DC input)** | 3 V |
| **Release time** | 5 ms |
| **Output type** | Relay |

| | |
|---|---|
| **Switching voltage max** | 250 V AC |
| **Load current min** | 10 mA |
| **Mechanical life expectancy** | 10 Million operations |

## OTHER TECHNICAL DATA

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|---|---|
| **Width** | 71,2 mm |
| **Depth** | 59,5 mm |
| **Height** | 90 mm |
| **Temperature operational min** | -20 °C |
| **Temperature operational max** | 70 °C |
| **Approvals** | CE, CSA, RoHS, UL |