

## MILLENIUM 3 SMART

88974033

Millenium 3 Smart CB20 12 In 8 Out Relay 100-240V ac  
Blind

- 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

|                                      |   |
|--------------------------------------|---|
| Number of inputs                     | 12  |
| Number of outputs                    | 8   |
| Supply voltage                       | 120-240 V AC                              |
| Expandable                           | No  |
| Display                              | No  |
| Immunity From Micro-Interruptions    | 10  |
| 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  |
| Logic 1 voltage threshold (AC input) | 79 V                                      |
| Logic 0 voltage threshold (AC input) | 20 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**

|                             |                   |
|-----------------------------|-------------------|
| Width                       | 124.6 mm          |
| Depth                       | 59.5 mm           |
| Height                      | 90 mm             |
| Temperature operational min | -20 °C            |
| Temperature operational max | 70 °C             |
| Approvals                   | CE, CSA, RoHS, UL |