

# Millenium 3

## → Modem communication plug and play solutions

- For remote control of your application
- M3 Alarm software supports automatic notification of alarms via SMS / e-mail or on PC
- Millenium 3 program can be downloaded, modified and sent
- Input and output states, as well as all program values, can be polled and controlled remotely
- 2 types of pre-configured ready-to-use modem:
  - STN modem for wired transmission networks
  - GSM modem for wireless communication



M3MOD



STN



GSM

### Part numbers

| Type  | Description                   | Supply                          | Code      |
|-------|-------------------------------|---------------------------------|-----------|
| M3MOD | Modem communication interface | 12-24 V $\overline{\text{---}}$ | 88970117* |
| STN   | STN modem                     | 12-24 V $\overline{\text{---}}$ | 88970118* |
| GSM   | GSM modem                     | 12-24 V $\overline{\text{---}}$ | 88970119* |

### Accessories

| Type     | Description                        | Code     |
|----------|------------------------------------|----------|
| PA       | 1.80 m serial link cable: DB9/DB9  | 88970123 |
| M3 ALARM | Alarm management software (CD-ROM) | 88970116 |

### Characteristics of the communication Modem system

#### General characteristics of the modem communication interface

See page 20, except:

|                |         |
|----------------|---------|
| Certifications | UL, CSA |
|----------------|---------|

| Power supply                           | 88970117   | 88970118  | 88970119  |
|--|--|---|---|
| Nominal voltage (V)                    | 12 $\rightarrow$ 24 V $\overline{\text{---}}$                      | 12 $\rightarrow$ 24 V $\overline{\text{---}}$                   | 12 $\rightarrow$ 24 V $\overline{\text{---}}$                     |
| Operating limits                       | -13% / + 20%<br>or 10 $\rightarrow$ 28.8 V $\overline{\text{---}}$ | -13% / + 5%<br>or 10 $\rightarrow$ 30 V $\overline{\text{---}}$ | -54% / + 33%<br>or 5.5 $\rightarrow$ 32 V $\overline{\text{---}}$ |
| Ripple                                 | 5% max.  | -   | -   |
| Nominal current under 12 V DC          | 30 mA  | 140 mA  | 125 mA  |
| Nominal current under 24 V DC          | 30 mA  | 70 mA   | 60 mA   |
| Peak current on energisation           | 550 mA   | 9600 mA   | 2100 mA at 5.5 V  |
| Max. absorbed power                    | 1.1 W  | 1.7 W   | 1.5 W   |
| Immunity from micro power cuts         | 1 ms, repetition 20 times  | -   | -   |
| Protection against polarity inversions | Yes  | No  | No  |
| Fuse protection                        | 1 A fuse   | -   | -   |

#### Characteristics of the "COM-M3" link with the controller

|   |   |
|---|---|
| Type of connector   | Specific Millenium                                  |
| Type of link  | Specific Millenium communication protocol           |
| Compatibility   | Only with Millenium controllers version $\geq$ V2.1 |
| Isolation of "Com-M3" connector from the "Com-M" connector      | Via optocoupler $\sim$ 1780 V                       |
| Isolation of "Com-M3" connector from the $\pm$ supply terminals | Via optocoupler $\sim$ 1780 V                       |