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

Part numbers

Type	Description	Supply	Code
M3MOD	Modem communication interface	12-24 V ⎓	**88970117***

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 → 24 V ⎓	12 → 24 V ⎓	12 → 24 V ⎓
Operating limits	-13% / + 20% or 10 → 28.8 V ⎓	-13% / + 5% or 10 → 30 V ⎓	-54% / + 33% or 5.5 → 32 V ⎓
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 ≥ V2.1
Isolation of "Com-M3" connector from the "Com-M" connector	Via optocoupler ∼ 1780 V
Isolation of "Com-M3" connector from the ± supply terminals	Via optocoupler ∼ 1780 V

Crouzet

Characteristics of the "COM-M3" link with the modem

Type of connector	Specific Millenium
Type of link with Modem connector cable	RS 232 serial (supplied with the communication interface)
Compatibility	Only with Millenium controllers version ≥ V2.1
Analogue RTC modem compatibility	AT commands
GSM modem compatibility	AT commands
Isolation of "Com-M" connector from the Modem	Via link cable to Modem (supplied)
Isolation of "Com-M" connector from the ± supply terminals	Via link cable to Modem (supplied)

Data characteristics

Data saved by the interface	Up to 28 messages
	1 to 10 recipients (telephone numbers and/or e-mail addresses) per message
	Time-stamping of messages to be sent (date and time)
	Saving of values on triggering of the message activation condition (digital and numerical values)
Backup of data to be sent	Flash memory

Comments

* 88970117 : supplied with connecting cable between M3MOD and Modem (Millenium 3 connector to sub DB9)

Dimensions (mm)

Modem communication interface M3MOD