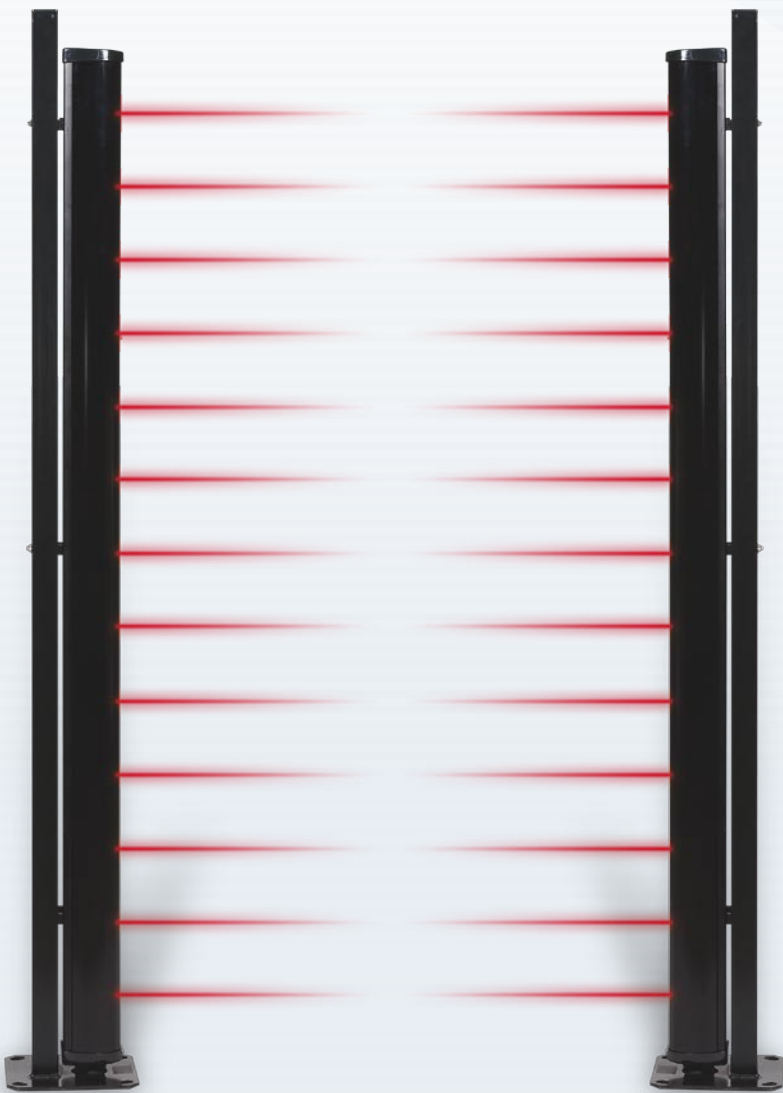Perimeter Protection for Sensitive Sites

MAXIRIS 2000
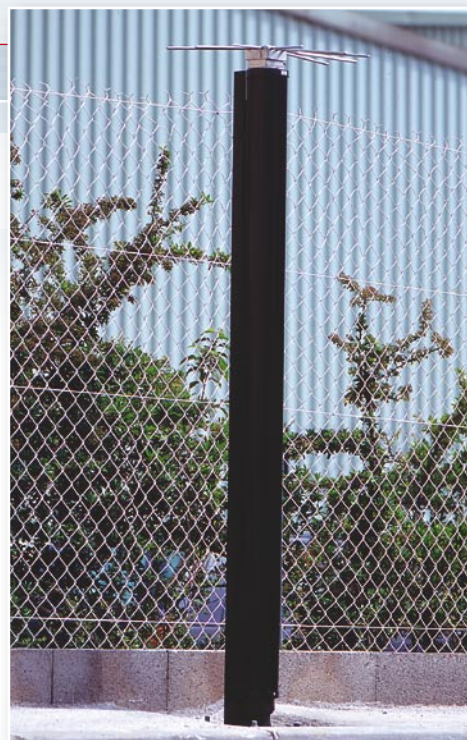
A new generation of computerized infrared barriers

SORHEA

Intelligent Perimeter Protection

> INTERNAL CONTROL AND OPTIONAL NETWORK FEATURE

- Enhanced performance
- New design
- Easy to operate integrated alignment system
- Connect to PC or dedicated terminal
  for more efficient maintenance and extensive
  configuration
- Log last of 100 alarm events
- Optional network feature for **MAXIRIS 2000**
  columns via the **MAXIBUS** hub, with the
  following advantages :
    - simplified wiring
    - visual display, system configuration and
      diagnostics using PC connected to
      MAXIBUS master hub
    - remote configuration, diagnostics and
      maintenance via modem

MAXIRIS 2000 column with anti-tamper cap

> SIMPLIFIED ALIGNMENT

Instructions for alignment are simple and precise, no additional equipment
is required and a single operator can perform alignment efficiently.
Each transmitter and receiver column is delivered equipped with an
integrated alignment system :
- Integrated alignment viewfinder on each cell
- Alignment beeper and visual display for optimization of individual
  beam alignment
- Output socket for control of signal received by each cell
  using standard multi-meter

> CONFIGURATION

MAXIRIS 2000 columns are factory preset.
Parameters may be modified using a TM1711
maintenance terminal or via a PC running the specific
MAXIRIS application software package.

Example of
MAXIRIS 2000
application programme
on PC

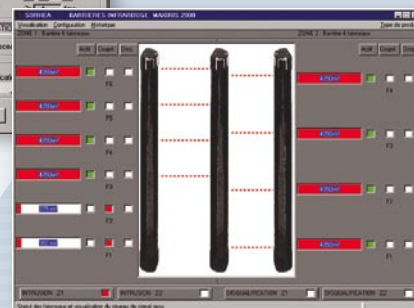**The main parameters that may be modified are :**

- Mono-detection / bi-detection /
  tri-detection
- Beam response time :
  from 40ms to 1s
- Lower beam time-delay :
  from 40ms to 5s
- Ejection of one or several beams
- Fog detector time-delay :
  from 40ms to 4mn

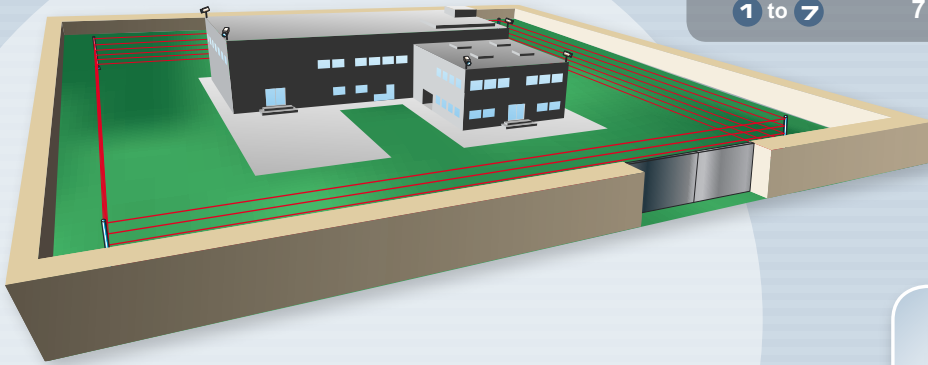*Parameterization using TM1711 Terminal*

MAXIRIS 2000

> EXAMPLE OF UTILIZATION

Infrared detection uses an imperceptible wall unaffected by movement around it. Columns require only a very narrow space for installation.

• Equipment required •

DIAGMAR	QTY	ITEM
2 4 6	3	MAXIRIS 2000 2m 2x5T
3 5 7	3	MAXIRIS 2000 2m 2x5R
1	1	MAXIRIS 2000 2m 5T + 5R
1 to 7	7	Battery 12V 1,2 Ah
1 to 7	7	Colunm stand 2m with base
1 to 7	7	Anti-tamper cap

> MAXIBUS NETWORK option

This option is a major innovation in perimeter systems and enables remote **diagnosis** and **configuration** of local or distant installations.

The **MAXIBUS** network comprises : A slave unit in each receiver column and a master unit located in a control room near the central alarm unit.

MAXIBUS centralizes the alarm contacts of the **MAXIRIS 2000** barriers which are connected to the central alarm unit

MAXIBUS is linked to a PC computer that provides a visual display of **MAXIRIS 2000** column settings and allows programming of parameters. The TM1711 maintenance terminal may also be used with the **MAXIBUS** hub.

MAXIBUS can also be connected to the phone network via modem for remote supervision of **MAXIRIS 2000** infrared column operation.
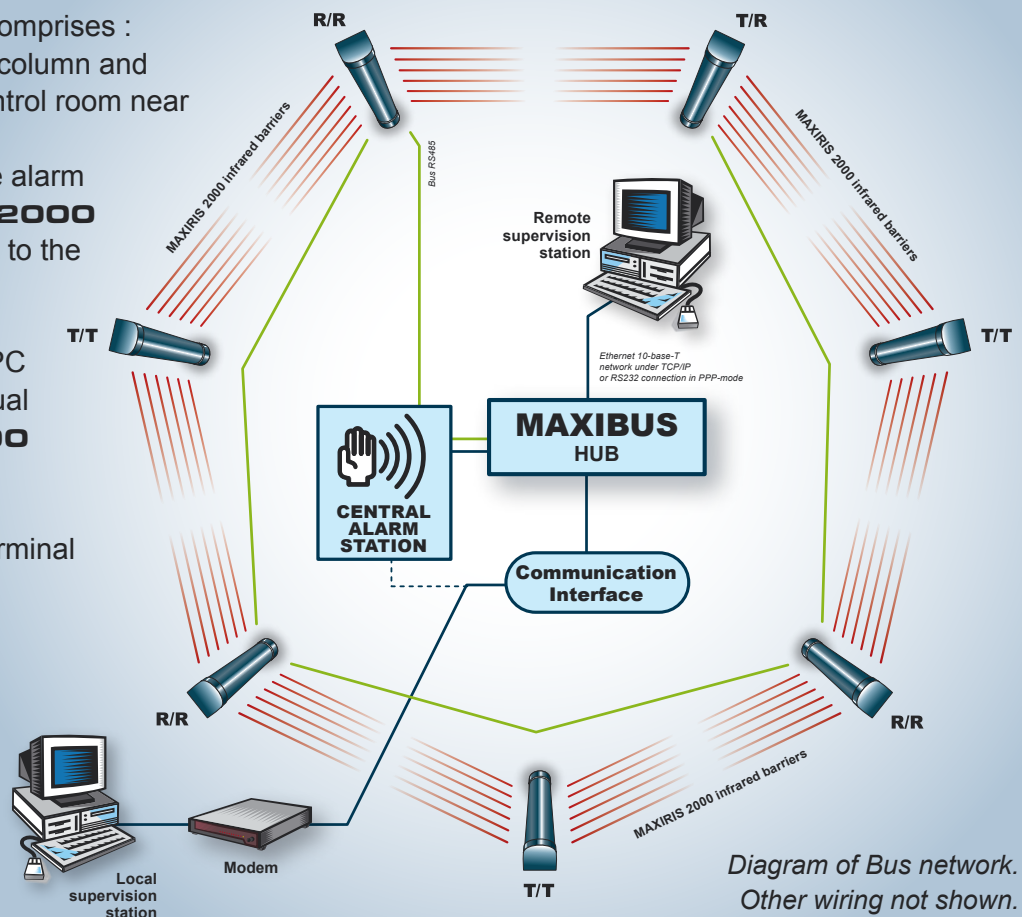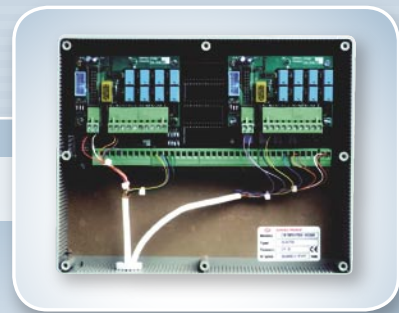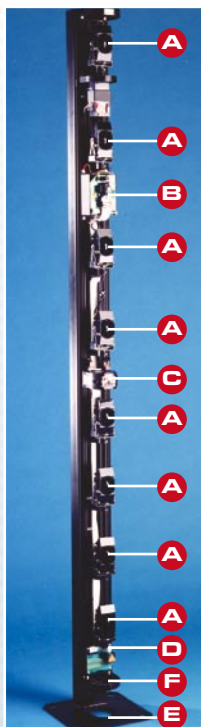
R/R

T/R

MAXIRIS 2000 infrared barriers

Bus RS485

MAXIRIS 2000 infrared barriers

T/T

T/T

Remote supervision station

Ethernet 10-base-T network under TCP/IP or RS232 connection in PPP-mode

MAXIBUS HUB

CENTRAL ALARM STATION

Communication Interface

R/R

R/R

MAXIRIS 2000 infrared barriers

T/T

Local supervision station

Modem

Diagram of Bus network. Other wiring not shown.

> TECHNICAL FEATURES

A — Transmitter or receiver cell (according to type of column) with integral viewfinder, adjustable base and heating element for outdoor use.

B — Power pack 230Vac/12Vdc and 12V 1.2Ah battery

C — Transmitter or receiver unit (according to type of column)

D — Terminal for external wiring connections

E — Metal post with welded base plate

F — Bottom compartment with weather-sealed cable clamp

> MAXIRIS 2000

- Power supply : 230V 50/60Hz
  (version 12V without heater)
- Maximum consumption with heater : 68VA per column
- Infrared equipment : from 4 to 16 beams according to height of collumn
- Range : 500m for indoor use ; 100 to 150m for outdoor use (according to visibility)
- Protection height : 1m, 2m, 3m, 4m.
  Thermostat heater for outdoor use
  Beam multiplexing and synchronization
- Storage of last 100 alarms with external validation
- Computerized administration and configuration
- Fog detector with relay output
- Intrusion alarm with relay output
- Anti-tamper protection against opening columns
- External alarm inputs (e.g. anti-tamper cap)
- «Missing sector» alarm via static output
- Integrated alignment system in each column

> MAXIRIS HUB

- 12Vdc power supply, consumption : 500 mA
- From 2 to 4 bus outputs RS 485, each of which can control 32 MAXIRIS 2000 barriers using JBUS protocol. (i.e. a maximum of 128 barriers).
- 1200m of shielded twisted pair cable per bus
- From 16 to 136 output relays available via expansion boards
- 8 stored alarm validation inputs
- Configuration of the installation
- Dimensions of the basic MAXIBUS unit :
  200 x 250 x 60mm

DISTRIBUTOR :

In order to continuously ensure the high standard of quality and performance of our products, we reserve the right to modify the present technical data without notification