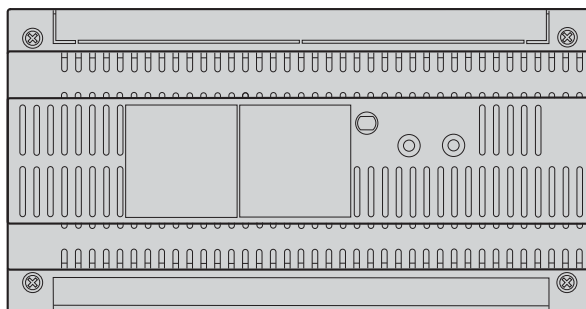


Video entry system power supply



FB00353-EN



VA/01
INSTALLATION MANUAL

EN English

GENERAL WARNINGS

- Read the instructions carefully before starting installation and proceed as specified by the manufacturer.
- Installation, programming, commissioning and maintenance of the product must only be performed by qualified technicians who have been properly trained in compliance with current standards, including health and safety and packaging disposal regulations.
- Control boards can be seriously damaged by electrostatic discharges: if you need to handle them, wear suitable antistatic clothing and footwear or at least make sure you have removed any residual charge beforehand by tapping your fingertips on a metal surface connected to the earthing system (e.g. the chassis of a household appliance).
- Before performing any cleaning or maintenance operation, disconnect the

power supply to the device.

- The device must only be used for the purpose for which it was explicitly designed.
- The manufacturer declines all liability for any damage as a result of improper, incorrect or unreasonable use.

The data and information provided in this manual are subject to change at any time without prior notice.

Measurements, unless otherwise indicated, are in millimetres.

DESCRIPTION

Video entry system power supply for X1 systems.

Technical data

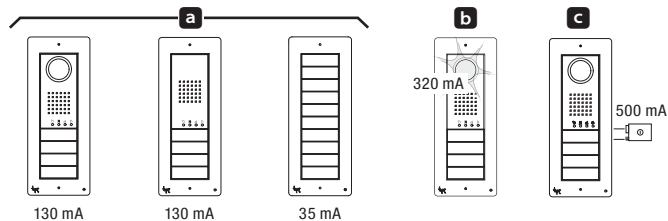
Type	VA/01
Power supply (V AC)	230
Max current draw at (mA AC)	350
Max dissipated power (W)	25
Rated power supply for entry panels (V DC)	18
Current draw for entry panels (mA)	600
Peak power supply for entry panels (V DC)	18
Peak current draw for entry panels (A)	1.1 *
Power supply for riser (V)	20

Type	VA/01
Current draw for riser, for 1' (mA)	800
Current draw for riser, for 3' (mA)	200
DIN modules EN 50022 35x7.5 (n°)	12
Storage temperature (°C)	-25 to +70
Operating temperature (°C)	0 to +35
Protection rating (IP)	30

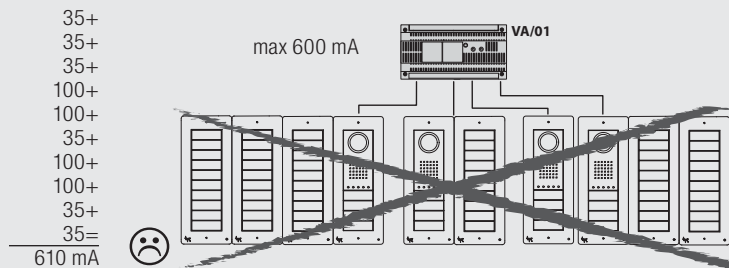
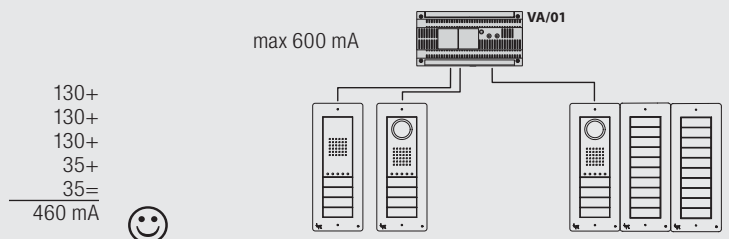
(*) 1.6 A if the riser is not connected or is powered separately.

Calculation of current draws

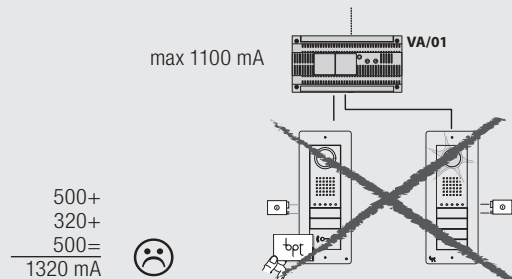
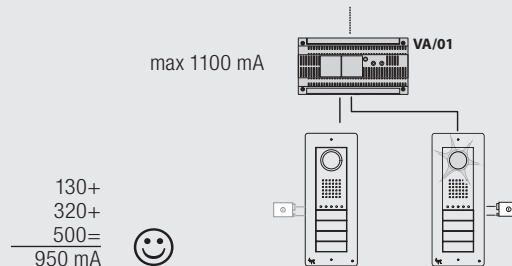
- a** Current draw of individual entry panels at rest
- b** With camera on
- c** With electric lock 'active'



Examples of calculation with elements at rest



Examples of calculation with elements active



Main components

Terminal block ①

~ ~ | Mains power supply

Terminal block ②

•	Aux 1 Output Open Collector max 100 mA
+12 V	Common
•	Aux 2 Output Open Collector max 100 mA
+ -	Power supply for entry panels 18 V DC (*)
B IN1	BUS line input from entry panel 1
B IN2	BUS line input from entry panel 2
B IN3	BUS line input from entry panel 3
B OUT	Riser output

(*) The device is protected against overloads and short circuits.

Connectors ③/④

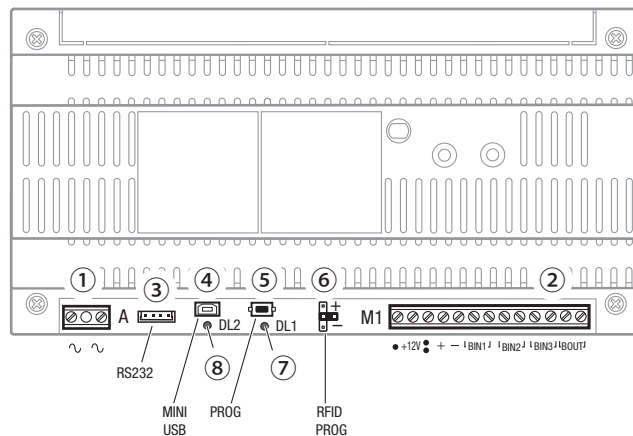
MINI USB	For programming using PC
RS232	Not used

Button ⑤

PROG | For programming entry panels (**)

Jumper ⑥

RFID PROG | For memorising/erasing codes and TAGs (**)

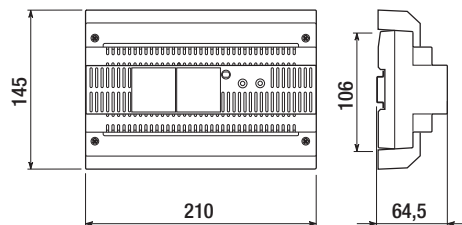


LED ⑦/⑧

	Colour	Meaning
DL1 (**)	Yellow	Programming status
DL2	Green	USB connected

(**) Refer to the Programming Manual for the DC/01-DVC/01-DC/01ME-DVC/01ME entry panels, code FB00232.

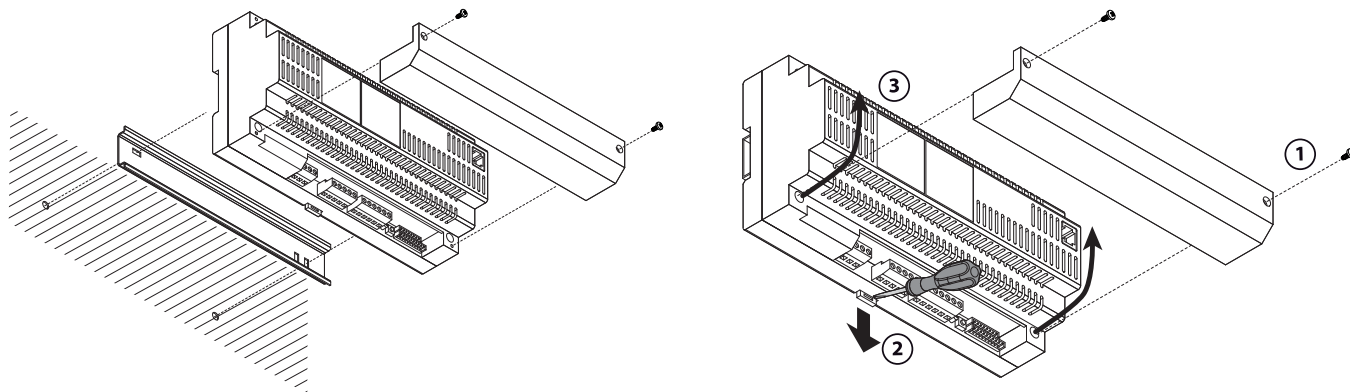
Dimensions



INSTALLATION

The device, with a connection for DIN rails, can be installed without terminal covers in closed cabinet or on the wall with a view to applying terminal covers.

 Always position horizontally, as shown. If in a cabinet, check for air grilles.

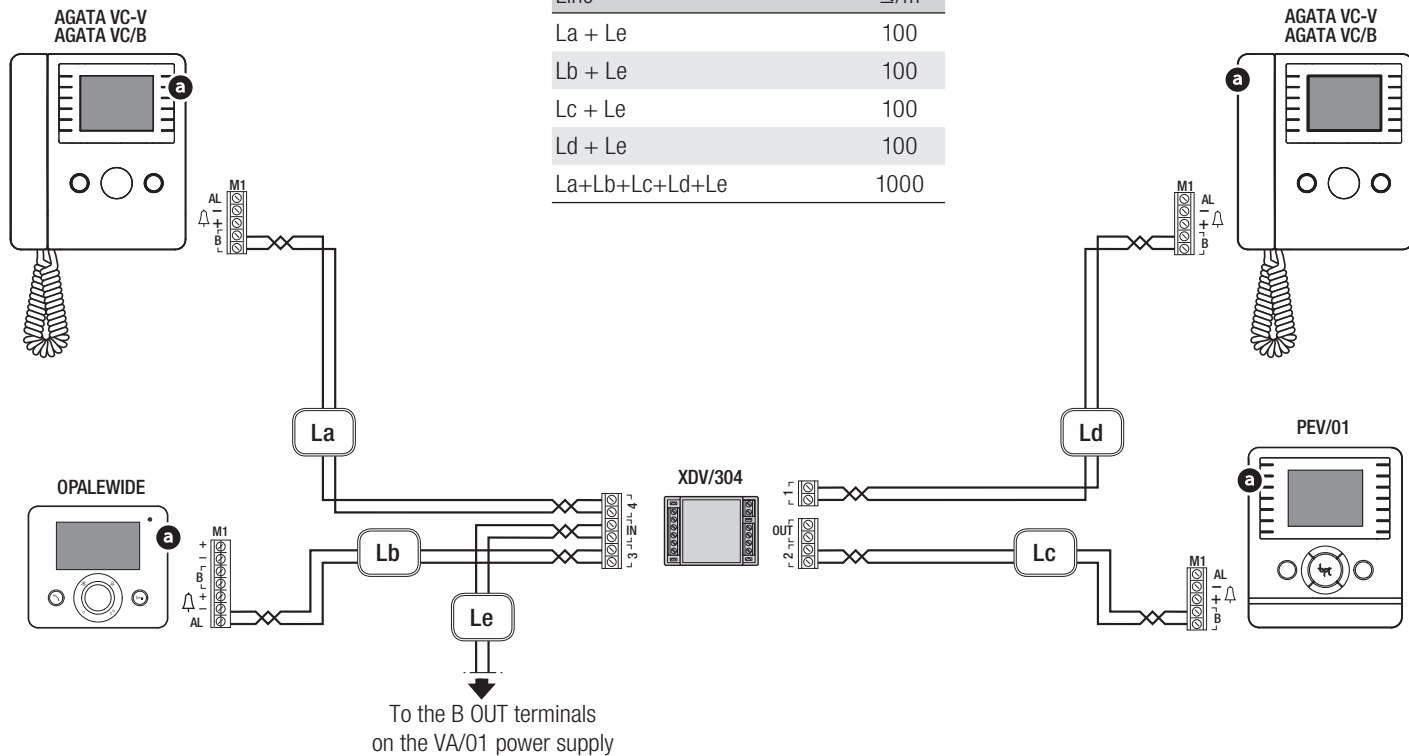


SAMPLE SYSTEMS WITH VA/01

Multi-family system with **a** 4 indoor receivers.

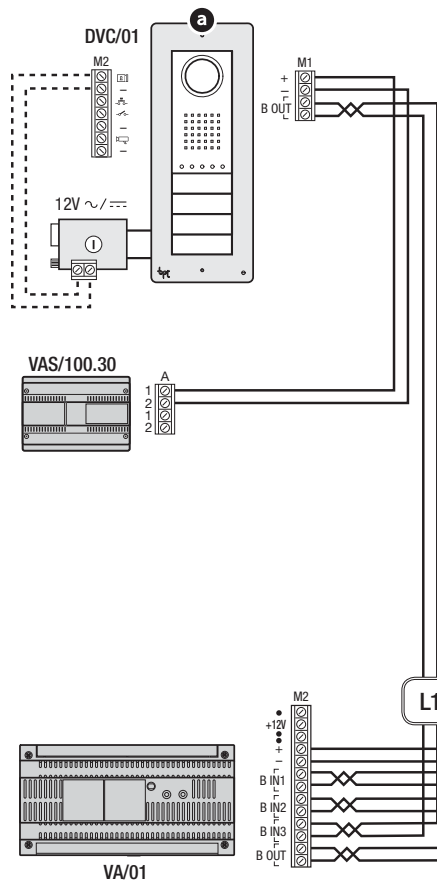
Admissible distances with cable **VCM/1D**

Line	≤/m
La + Le	100
Lb + Le	100
Lc + Le	100
Ld + Le	100
La+Lb+Lc+Ld+Le	1000



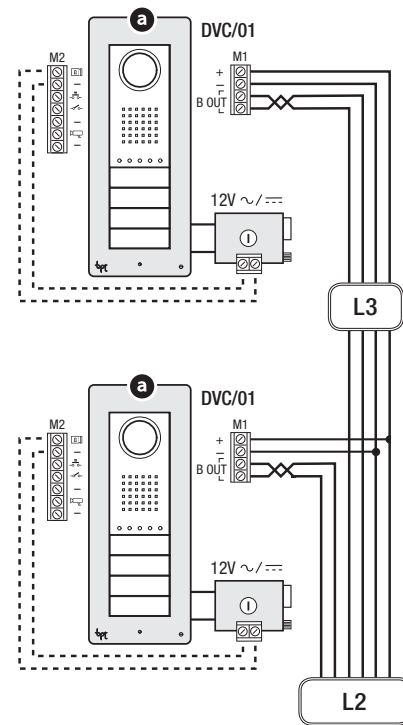
SAMPLE SYSTEMS WITH VA/01

Multi-family system with **a** 3 entry panels.



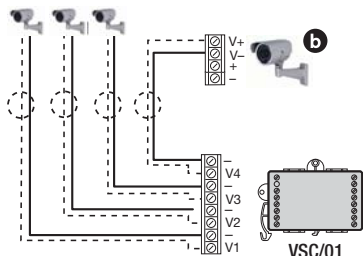
Admissible distances with cable **VCM/2D**

Line	≤/m
L1, L2, L3	100
L1 + L2 + L3	300



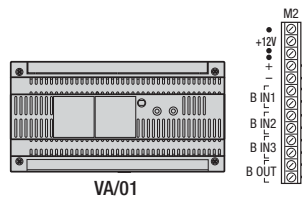
SAMPLE SYSTEMS WITH VA/01

Multi-family system with **a** 2 entry panels and **b** 4 separate video cameras.

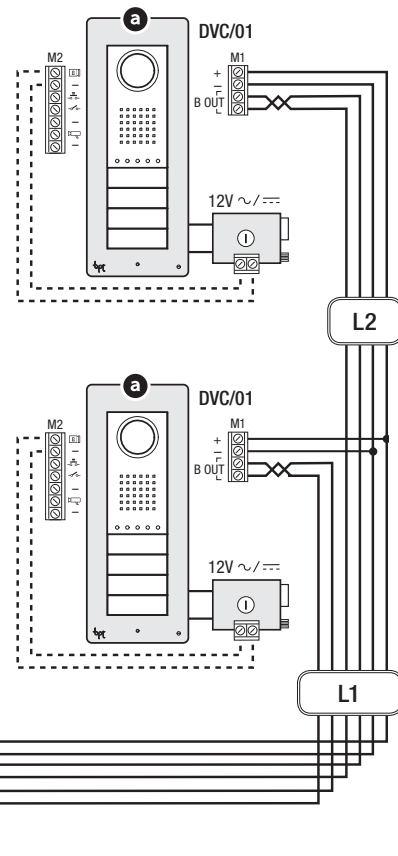


Admissible distances with cable **VCM/2D**


Line	≤/m
L1, L2	100
L1 + L2	200



To the IN terminals of the risers towards the indoor receivers.



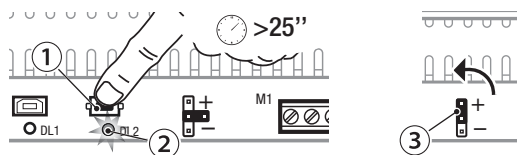
PROGRAMMING INTERCOM GROUPS

 The intercom group must be programmed after you have assigned the type of call button or call code to all the indoor receivers (see Programming Manual for the DC/01-DVC/01-DC/01ME-DVC/01ME entry panels, code FB00232).

Activating an intercom group

Press PROG ① on the power supply for at least 25 seconds until LED DL2 ② flashes quickly.

Then set the RFID PROG jumper ③ to the "+" position.



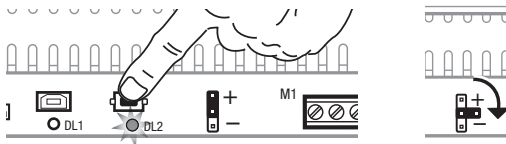
Go to an indoor receiver and press the button with which you wish to call: a beep will indicate successful activation.

Repeat the same steps on the indoor receivers to be added to the intercom group (max 4 per group).



To end the procedure, press ① and set the jumper ② to the neutral position.

 If no action is performed, the procedure will automatically end after 30



minutes.

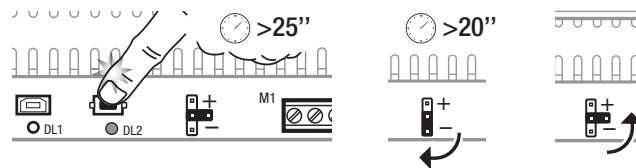
Once an indoor receiver has been included in an intercom group through the assignment of a call button, it can no longer be excluded from the group.

In order to change the call button for an indoor receiver that has already been programmed as an intercom, or to add new indoor receivers to the group, simply repeat the sequence of steps described.

Disabling an intercom group

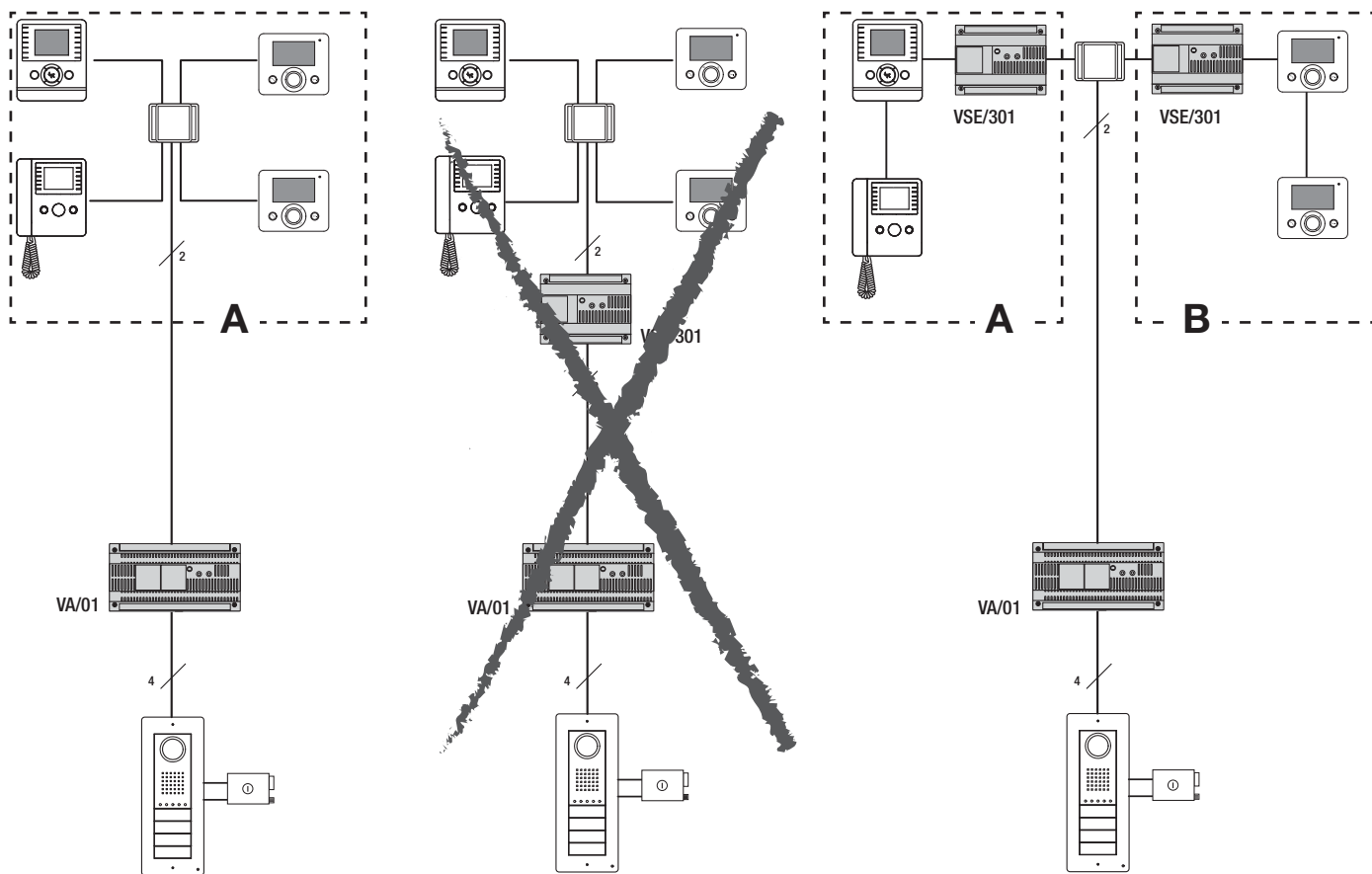
Press PROG ① on the power supply for at least 25 seconds until LED DL2 ② flashes quickly.

Then set the RFID PROG jumper ③ to the "-" position for at least 20 seconds. To end the procedure, press ① and set the jumper ② to the neutral position.



VA/01 allows a single intercom group.

If you need to add other intercom groups, it is necessary to install a VSE/310 selector downstream from the video distributor for each group. It is not possible to configure one intercom group with VA/01 and others with VSE/301 at the same time.



PROGRAMMING RECORD

SYSTEM	Block	Name	No. of users	Date
Description and location of power supply	VA/01 <input type="checkbox"/>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>		
	VA/08 <input type="checkbox"/>			

	Description and location of DEVICES on the DISTRIBUTION
1	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
2	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
3	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
4	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
5	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
6	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
7	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
8	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
9	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
10	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>

	Description and location of DEVICES on the DISTRIBUTION
11	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
12	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
13	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
14	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
15	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
16	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
17	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
18	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
19	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>
20	<div style="border: 1px solid black; border-radius: 5px; padding: 2px;">SN</div>

Description and location of DEVICES on the RISER

1 SN

2 SN

3 SN

4 SN

5 SN

6 SN

7 SN

8 SN

9 SN

10 SN

11 SN

12 SN

13 SN

14 SN

Description and location of DEVICES on the RISER

15 SN

16 SN

17 SN

18 SN

19 SN

20 SN

21 SN

22 SN

23 SN

24 SN

25 SN

26 SN

27 SN

28 SN

Description and location of DEVICES on the RISER	
29	SN
30	SN
31	SN
32	SN
33	SN
34	SN
35	SN
36	SN
37	SN
38	SN
39	SN
40	SN
41	SN
42	SN

Description and location of DEVICES on the RISER	
43	SN
44	SN
45	SN
46	SN
47	SN
48	SN
49	SN
50	SN
51	SN
52	SN
53	SN
54	SN
55	SN
56	SN

Description and location of DEVICES on the RISER

57 SN

58 SN

59 SN

60 SN

61 SN

62 SN

63 SN

64 SN

65 SN

66 SN

67 SN

68 SN

69 SN

70 SN

Description and location of DEVICES on the RISER

71 SN

72 SN

73 SN

74 SN

75 SN

76 SN

77 SN

78 SN

79 SN

80 SN

81 SN

82 SN

83 SN

84 SN

Description and location of DEVICES on the RISER	
85	SN
86	SN
87	SN
88	SN
89	SN
90	SN
91	SN
92	SN

Description and location of DEVICES on the RISER	
93	SN
94	SN
95	SN
96	SN
97	SN
98	SN
99	SN
100	SN

DISMANTLING AND DISPOSAL

CAME S.p.A. implements an EN ISO 14001 certified and compliant Environmental Management System at its plants, to ensure environmental protection. Please continue our efforts to protect the environment, something that CAME considers to be one of the foundations in developing its business and market strategies, simply by observing brief recommendations as regards disposal:

DISPOSAL OF PACKAGING

Packaging components (cardboard, plastic etc.) can be disposed of together with normal household waste without any difficulty, by simply separating the different types of waste and recycling them.

Before proceeding, it is always advisable to check specific regulations in force in the place of installation.

DISPOSAL OF THE PRODUCT


Our products are made with different materials. Most of them (aluminium, plastic, iron, electrical cables) can be disposed of together with normal household waste. They can be recycled if collected, sorted and sent to authorised centres.

 Altri componenti (schede elettroniche, batterie dei trasmettitori, etc.) on the other hand, may contain pollutants.

They should therefore be removed and handed over to companies authorised to recover and recycle them.

Before proceeding, it is always advisable to check specific regulations in force in the place of disposal.

DECLARATION OF CONFORMITY

 Declaration. CAME S.p.A. declares that this device complies with the essential requirements and other relevant provisions established in Directive 2004/108/EC. The original can be requested.

CAME 

CAME.COM

CAME S.P.A.

Via Martiri Della Libertà, 15

31030 Dosson di Casier - Treviso - Italy

tel. (+39) 0422 4940 - fax. (+39) 0422 4941