



BIOSYS 1

Stand alone fingerprint reader





1

1

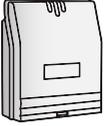
2

2

1

4

1



1

2

2

2

2



x1

Master Card

Part No: MASTERBIO



x10

User Card

Part No: USERBIO



The BIOSYS 1 product complies with Directive 1999/5/CE



REMINDERS & RECOMMENDATIONS

Wiring Reminder

The maximum distance between the controller and the reader head is 50m.
Beware of mains (240Vac) connections.
Recommended cables > 3 twisted pairs (EIA-485 standard), 3P SYT 24 AWG.
Make sure the drain wire PE is connected.

Environment

The door controller must be installed internally.
The reader head must be installed in a sheltered location from the weather.
Operating temperature range of -10°C to + 50°C.

Installation Recommendation

To limit back EMF spikes, the varistor must be installed across the supply terminals of the lock.

Recommended power supplies (12 VDC)

Power supplies must be 12Vdc with a minimum current provision of 1A. Please ensure you have taken into account the power requirements of the lock.

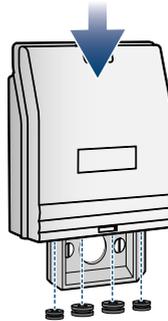
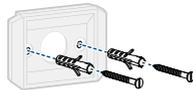
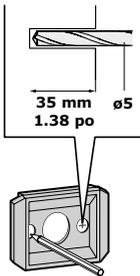
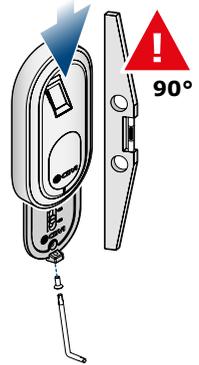
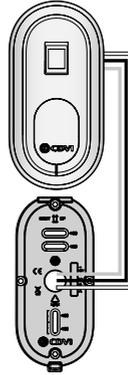
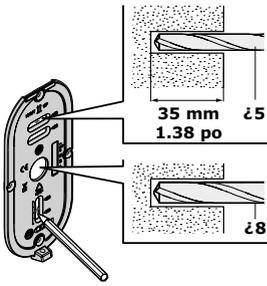
Power must be a limited power source, compliant with EN 600950-1.

Surround Indicator LED's

LED Colour	MODE
BLUE	Standby
WHITE	Finger detected
RED	Access denied
GREEN	Access granted
ORANGE	Waiting for command
RED (flashing)	Programming error

1

MOUNTING



2

WIRING

1



Make sure the drain wire PE is connected

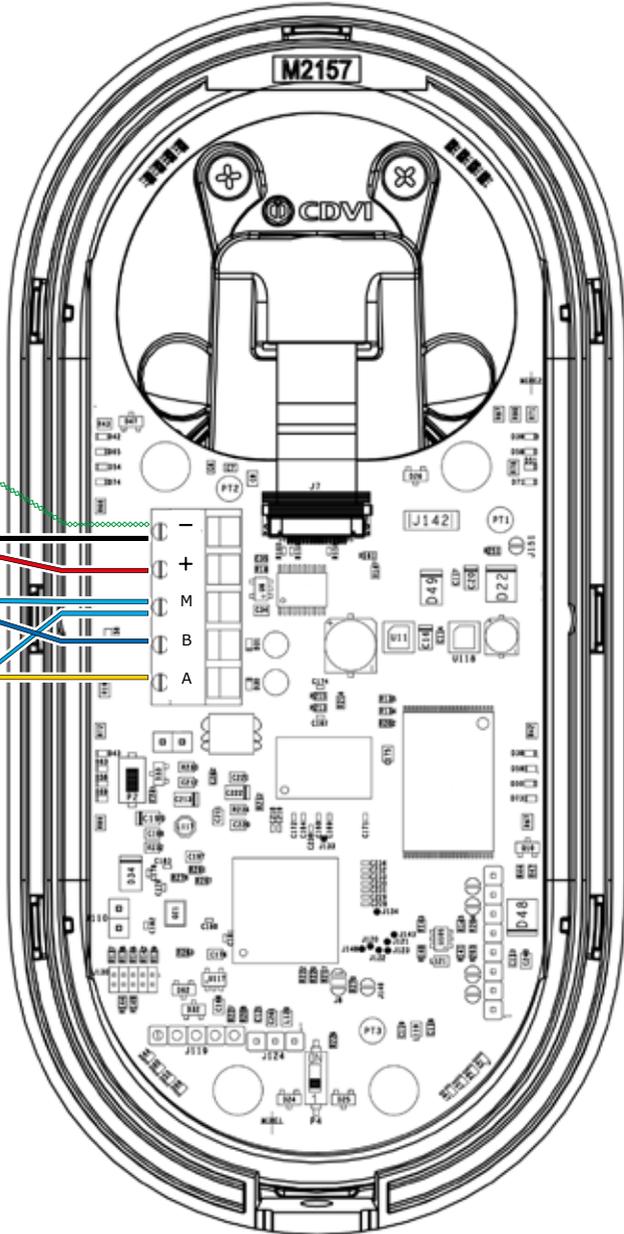


PE

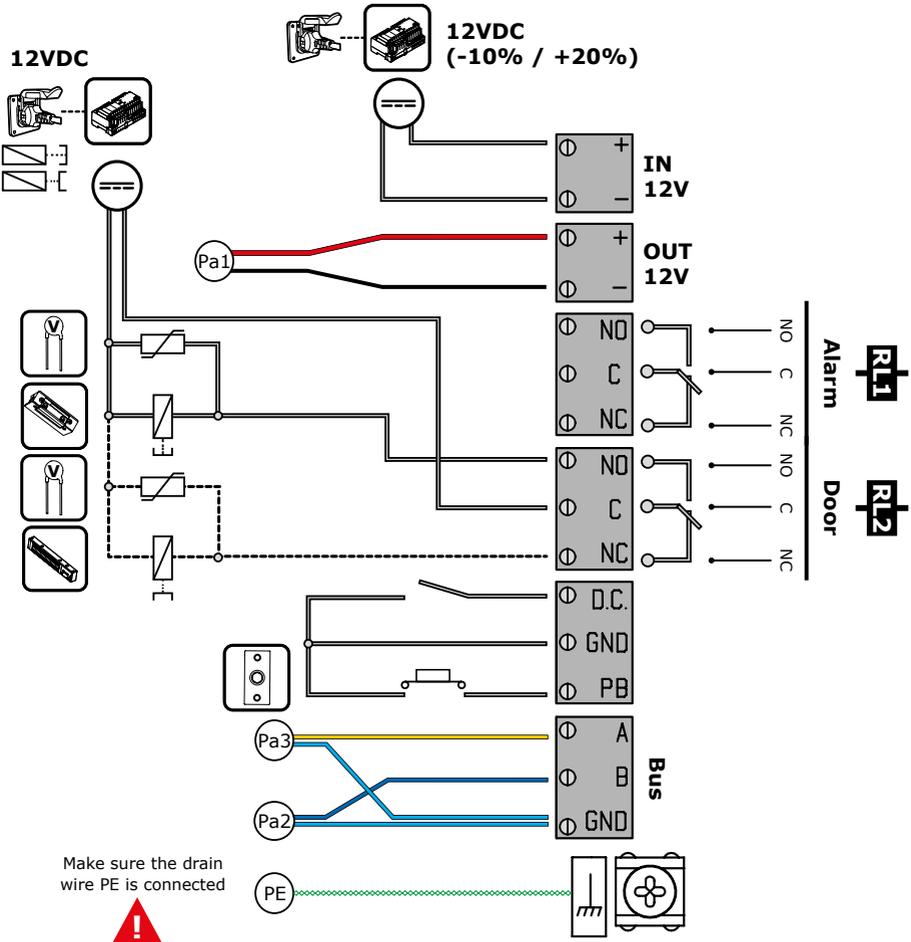
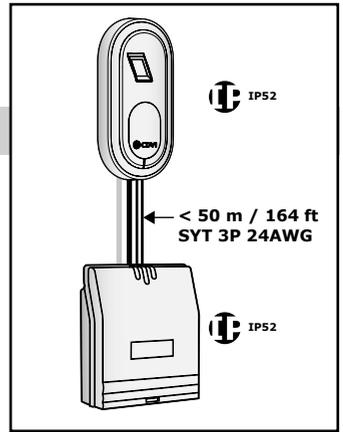
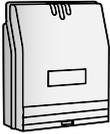
Pa1

Pa2

Pa3



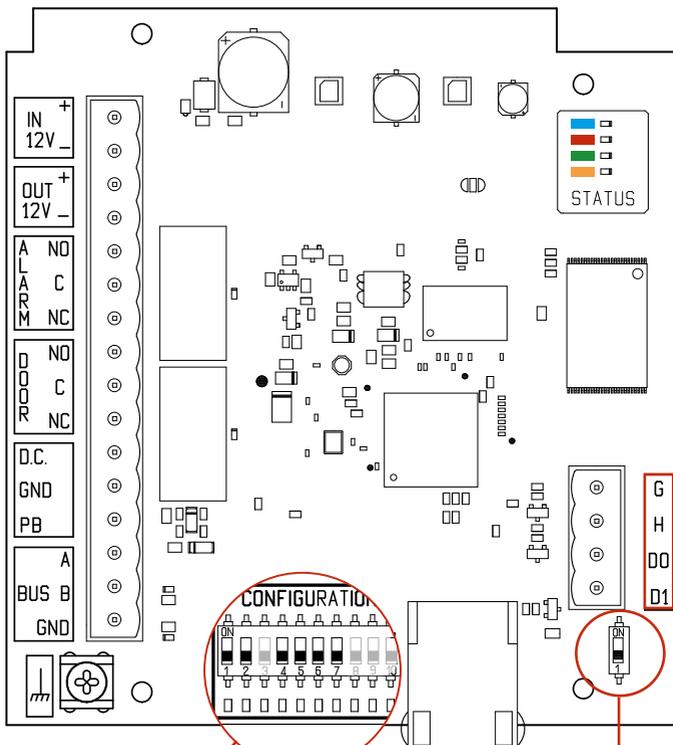
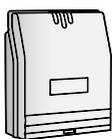
2



3

PARAMETERS

1



Reset mastercard **1** OFF

System default **2** OFF

WIEGAND

4	5	
		26 bits
		30 bits
		44 bits

LOCK RELAY TIME

6	7	
		1 sec.
		5 sec.
		10 sec.
		15 sec.

WIEGAND

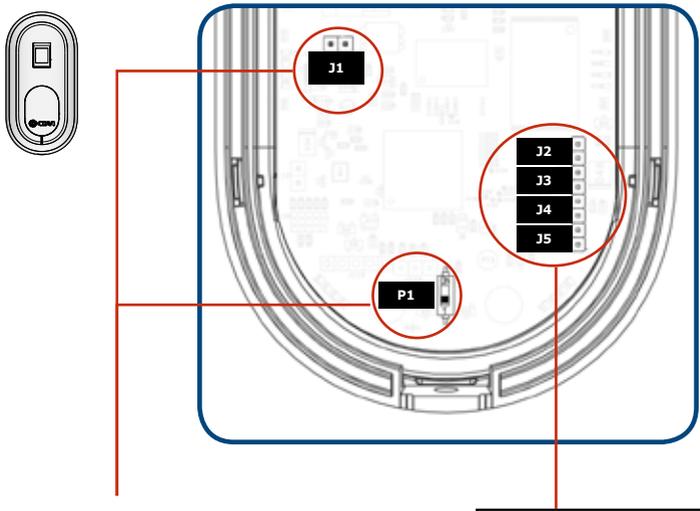
5 V

12 V

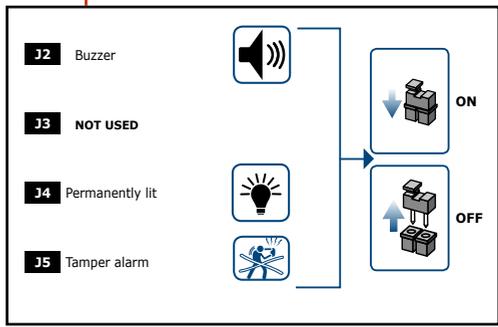
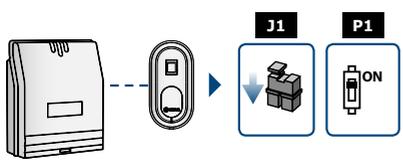
G	Common Ground
H	Clock
D0	Data 0
D1	Data 1

DIP switch **3** **8** **9** **10** NOT USED

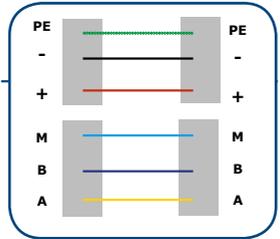
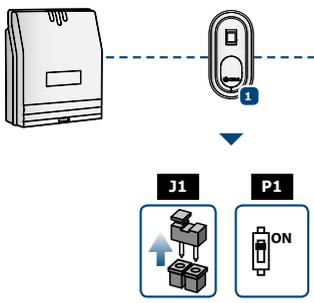
2



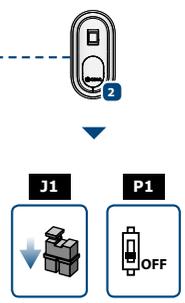
INSTALLATION WITH ONE READER HEAD



INSTALLATION WITH TWO READER HEADS



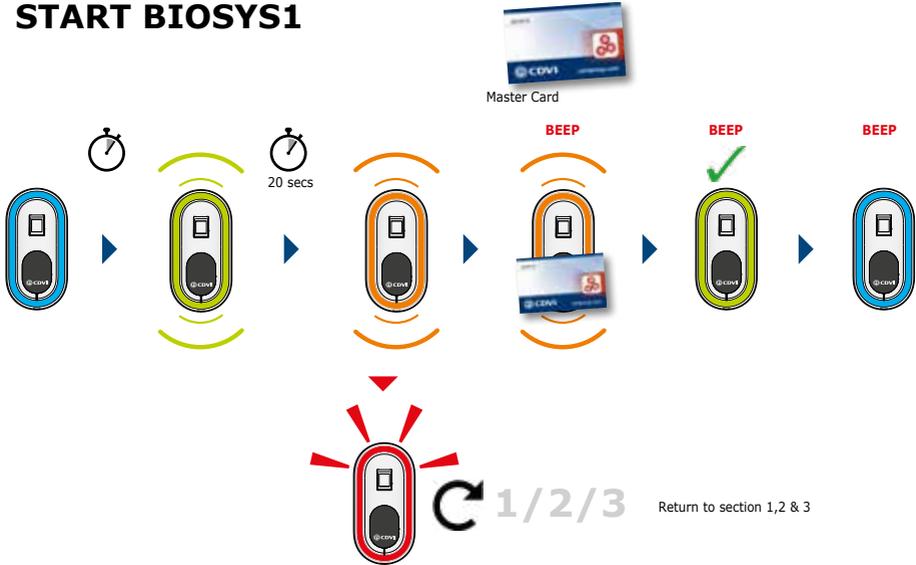
Make sure the drain wire PE is connected



4

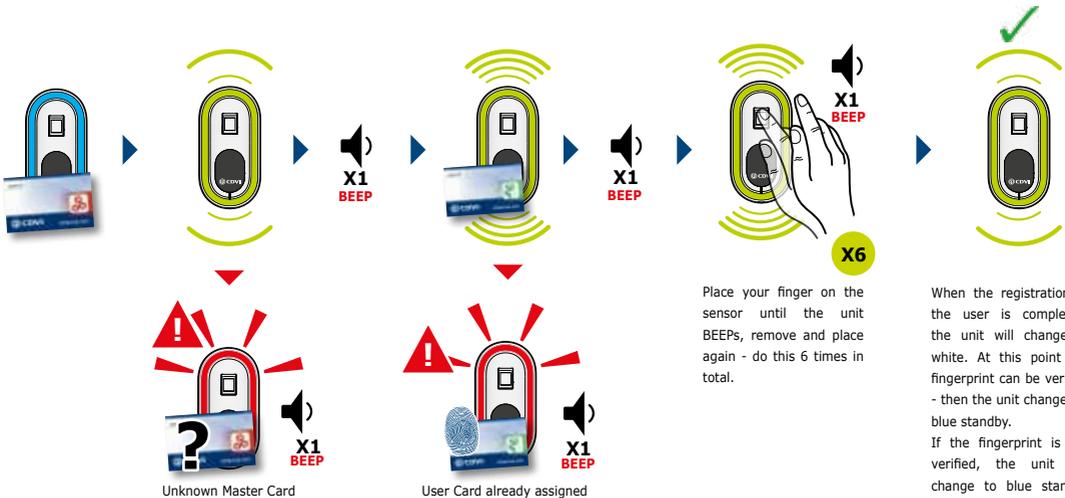
FIRST TIME POWER UP

1 START BIOSYS1



2 REGISTRATION OF FINGERPRINTS UP TO 500 USERS

Note: If registration is not completed within 60 seconds, the unit will revert to standby

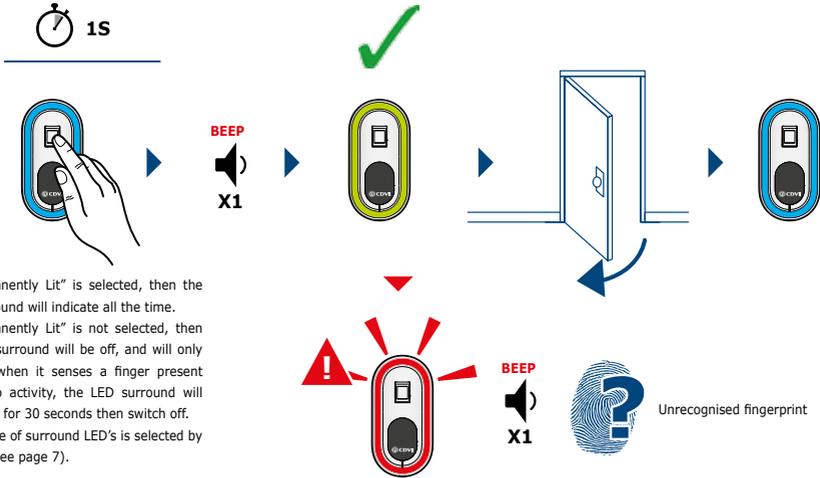


Place your finger on the sensor until the unit BEEPS, remove and place again - do this 6 times in total.

When the registration of the user is completed, the unit will change to white. At this point the fingerprint can be verified - then the unit changes to blue standby. If the fingerprint is not verified, the unit will change to blue standby after 10 seconds.

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NORMAL USE

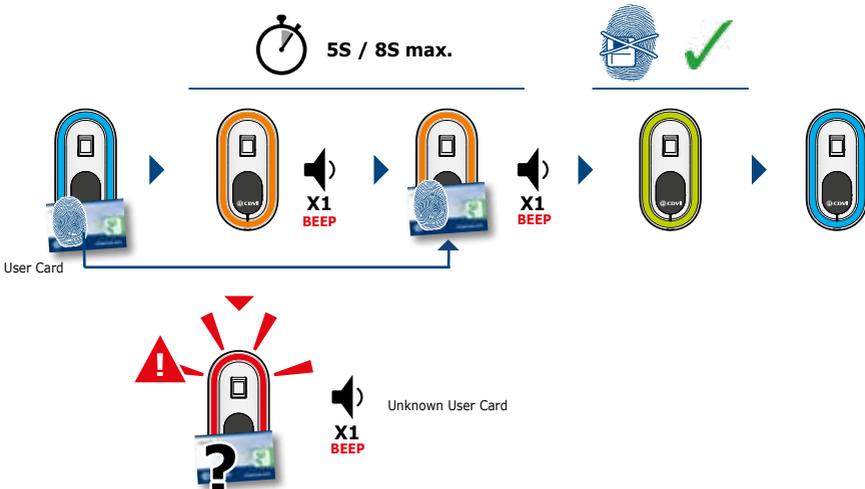


If "Permanently Lit" is selected, then the LED surround will indicate all the time.
 If "Permanently Lit" is not selected, then the LED surround will be off, and will only indicate when it senses a finger present - with no activity, the LED surround will remain lit for 30 seconds then switch off.
 Preference of surround LED's is selected by **J4** (see page 7).

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MORE PROGRAMMING

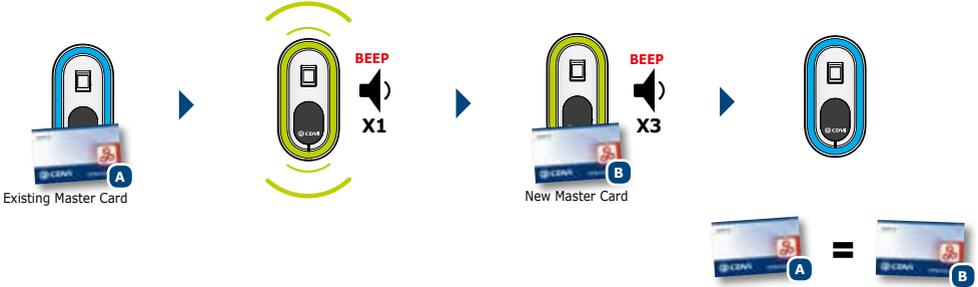
1 REMOVING A FINGERPRINT



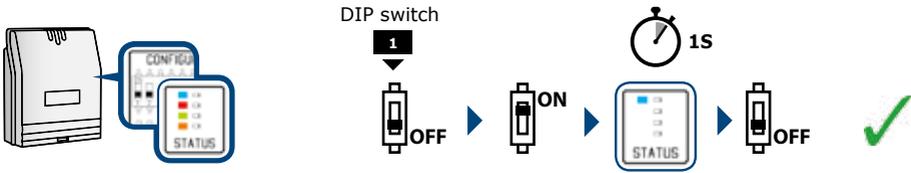
6

MORE PROGRAMMING

2 DUPLICATE THE MASTER CARD

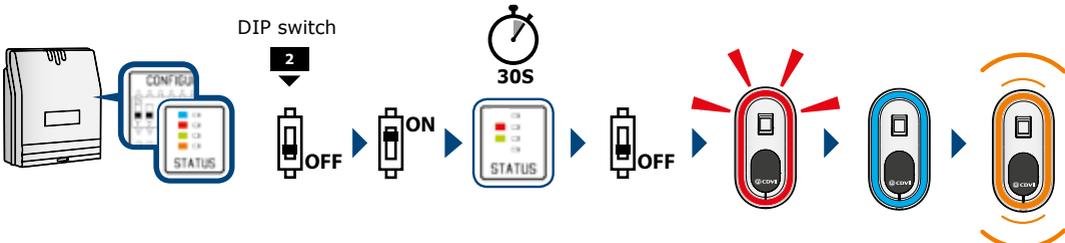


3 MASTER CARD CANCELLATION



Note: After deleting a Master Card, the next Master Card presented will automatically be added - as indicated by the green LED

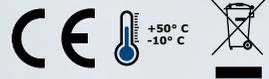
4 RESET



Note: Leave DIP 2 on until the FIRST red LED flash with an audible "chirp" - turn DIP 2 off.

A further 3 red flashes will occur, followed by blue then flashing orange - a new Master Card can now be added.

Return to Section 4.1

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