Fig. 1a

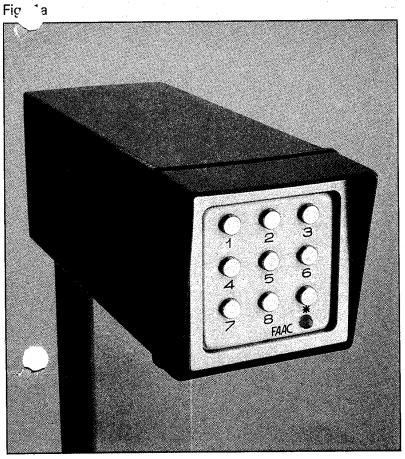


Fig. 1b

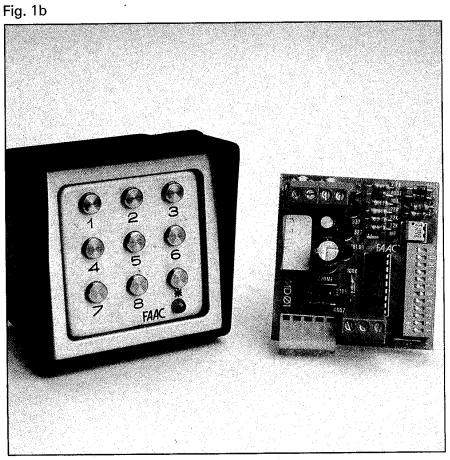


Fig. 2a

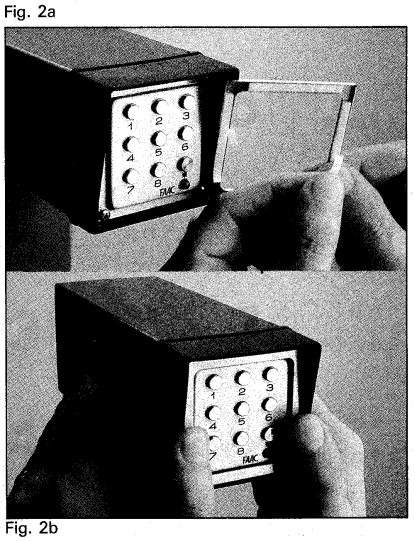


Fig. 2b

Fig. 3a

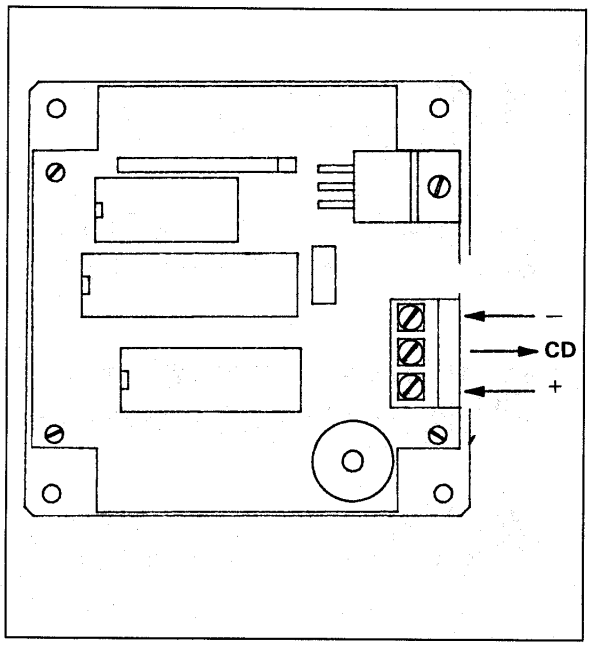


Fig. 3b

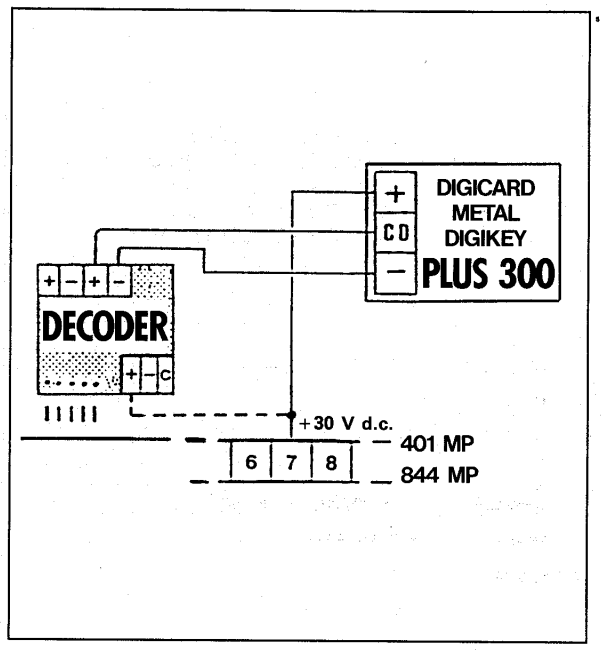


Fig. 4

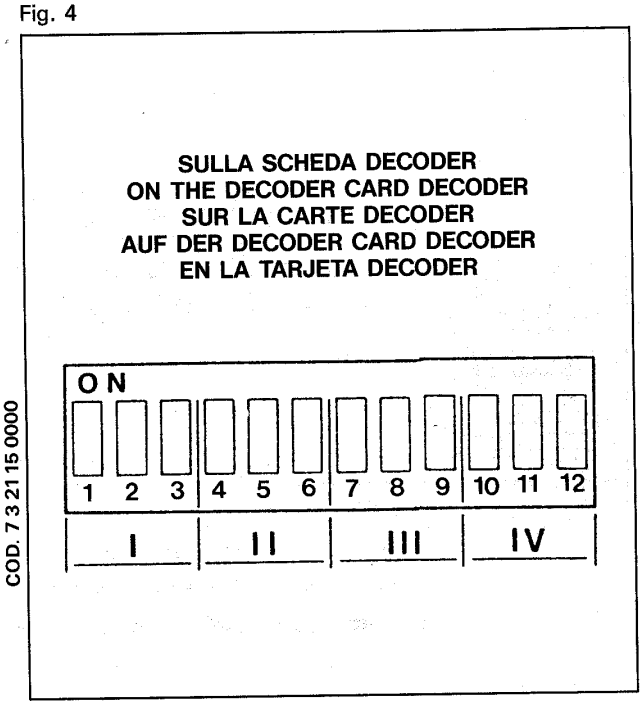
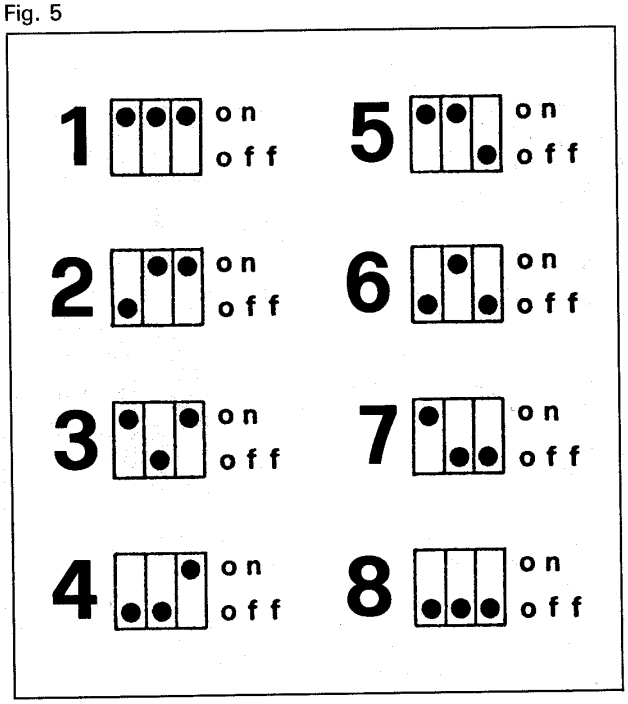


Fig. 5



FAAC® METAL DIGIKEY

The FAAC METAL DIGIKEY is a programmable combination lock keyboard (fig. 1a) that offers an effective modern solution for controlling automatic opening systems, as well as for the simple control of electric locks or alarm systems, without having to make use of keys or cards, guaranteeing an absolutely personal code that can at any moment be changed, even by the end user.
The system is composed of the keyboard and one or more decoding cards (it is a multichannel device). A digital code is used, which permits to choose among over 4096 different combinations, and gives a four-figure personal code number.
The code desired is chosen by simply changing the positions of the microswitches on the DECODER decoding unit (fig. 1b).
Complete safety from tampering is guaranteed by the fact that the keyboard does not send the opening signal, but a coded signal that must be read and recognised by the DECODER decoding unit. Using this type of operation it is absolutely impossible, even if the connection cables are short-circuited, for anyone to send a control signal to the door or electrical system connected.
The stainless steel keyboard ensures that the product will have a long service life even under conditions of intensive use.
The system is completely waterproof and suitable for installation outside.
The LED not only helps to locate the keyboard in poor light conditions, but, also indicates when a code has been typed in, and if it has been recognised by the decoding unit.

TECHNICAL INFORMATION

Power supply voltage	: standard 20-34 V.d.c.
Max. absorbed power	: 1.5 W
Decoding card	: DECODER
Number of possible combinations	: 4096
Max. No. DECODER cards that can be connected to one Metal Digikey	: 100
Type of connection to other units	: parallel
Maximum length of connections (cable section 1.5 mm^2)	: 100 m
Operating temperature	: -20 / +70 °C

Red LED signalling correct code recognised.
In fig. 2 is shown the installation of the metal frame through four biadhesive strips.
The electrical connections with the 401 and 844 MP control boxes are shown in figs. 3a and 3b. Further information is contained in the instructions for the DECODER card.

SETTING DECODER CARD CODE

Select the code desired on the DECODER card, remembering that the microswitches should be taken in groups of three to identify the different numbers.
Fig. 4 shows the subdivision of the microswitches into groups of three.
Fig. 5 shows the position to which the microswitches should be switched to set the code number desired.
The code is composed of 4 numbers for a total of 12 microswitches set (4096 possible combinations).

OPERATION

The four figures which form the code number are typed in on the keyboard in the order they were set on the twelve microswitches (fig. 4).
- **Always press the reset pushbutton(*)** before setting any combination.

The red LED on the front panel of the Metal Digikey operates as follows:
- Normally on when the Metal Digikey is connected to the mains supply (thus facilitating location of the Metal Digikey in poor lighting conditions).
- The LED goes out every time a key is pressed (confirming that the code has been typed in).
- If the code sent is not the same as that set on the DECODER card, the LED turns off 2" and the keyboard is disabled until the RESET pushbutton is pressed.
- If the code sent is the same as that set on the DECODER card, the LED flashes confirming that the correct code has been recognised, and the gate opens.
  In cases where the Metal Digikey is connected to one or more DECODER the information that an DECODER has been activated (the LED flashes) will appearonly on the Metal Digikay where the combination was typed in.

TECHNICAL FEATURES

- Optical and acoustic indication that reading of the correct code has taken place, with the subsequent closure of the DECODER decoding card relay contact for a fixed time of approximately 3 seconds.