

N.B. On terminal n° 7 of card type 6153, there is a wire used for the optical signal for call excluded.
On interphones Type 6204 use the wire to connect terminal 10 of type 6153 to 6204 and the wiring to connect the connector CN1 of type 6153 to the AU connector of the interphone.
For connections to the system, see the variants regarding Type 6153.



Type 6140

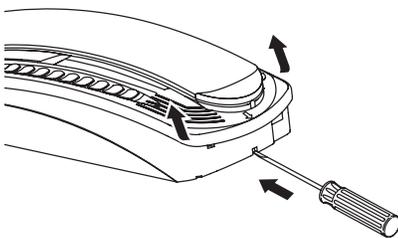
White desk-top conversion. Supplied with 2-metre, 6-wire cable and fixed terminal block.



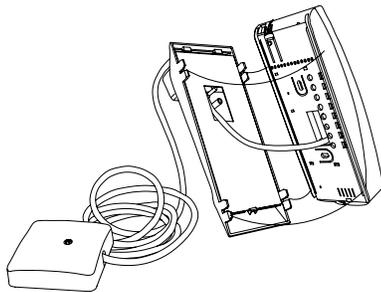
Type 6A40

White desk-top conversion. Supplied with 2-metre, 16-wire cable, complete with plug and socket.

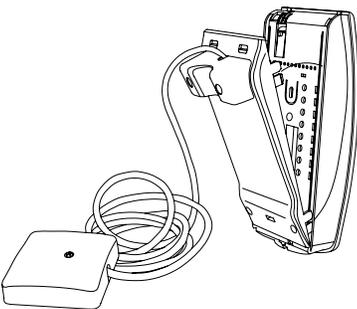
INSTALLATION TYPE 6140 - 6A40



To separate the base of the interphone from the cover, insert a screwdriver in the slit in the middle and push inwards until the unit clicks open



Insert the kit wires in the interphone.

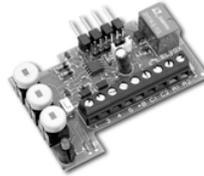


Attach the base of the interphone to the conversion kit.



Type 615T

Strip of 8 transparent keys for Petrarca interphones for use with Type 6158. Use in place of the standard interphone keys for indicator lights.



Type 6158

The Digi-Bus alarm card is an accessory for fitting in Petrarca series Digi-Bus interphones (e.g. Type 6204) for the purpose of integrating a simple alarm system (burglar alarm) into the interphone. The card controls the state of an external sensor (e.g. connected to the opening of a door), and if it detects a signal from the sensor, it activates a contact (alarm actuator) which can be used to trigger an alarm signal (lamp, siren, etc.), while simultaneously sending an alarm message on the digital Digi-Bus line, which can be immediately recorded by a switchboard (e.g. Type 945B or 94CD), if present. The card has: two dedicated buttons for keying in the alarm code, a safety button to prevent the interphone from being opened (sensor for immediate activation of the alarm), a red LED and the necessary wiring for connection with Type 6153. In the event of a power failure, the card Type 6158 saves the operating state at the time of the black-out in its memory, and when power is restored, the card returns to its previous operating state without resetting. The card can, however, be powered by an additional power supply provided by an optional 12V D.C. backup battery.

Terminals

- 1 - Digi-Bus digital line.
- 3 - Digi-Bus voice line.
- 4 - Negative interphone and card Type 6158 power supply.
- 5 - Positive (13.5V D.C.) interphone and card Type 6158 power supply.
- +B - Positive (12V D.C.) for supplementary power supply to card Type 6158 for backup battery.
- C1-C2 - Terminals for connecting alarm sensors.
- R1-R2 - Normally Open contact (maximum load 1A 24V D.C./120V A.C.) for connecting external alarm indicators.

INSTALLATION TYPE 6158

The card can be installed in two ways: card Type 6158 with call volume controller Type 6153 or card Type 6158 with transparent keys Type 615T. The difference between the two methods lies in the LED used for indicating alarms, which will be either the green LED of Type 6153 or the red LED supplied with card Type 6158.

- Installing Type 6158 with Type 6153.

Insert the terminals of card Type 6158 between terminals 1, 3, 4 and 5 of the interphone Type 6204, and fix the card with the screw supplied (fig. 1).

Install Type 6153 in the interphone.

Connect the wiring supplied with Type 6158 to Type 6153, by connecting the red wire to terminal 8 and the black wire to terminal 9 of Type 6153 (fig. 2).

Cut the metal jumper "A" located next to the red LED on the card.

Release the first 2 keys of the interphone by cutting the key lock on the back of the housing (fig. 3).

Take care not to release the subsequent keys of the interphone. The third key must remain locked with the others, so as to keep the third button on card Type 6158 pressed down for the "anti-interphone tampering" function.

Connect the interphone and the cards in accordance with the attached wiring diagrams.

- Installing Type 6158 with Type 615T.

Insert the terminals of card Type 6158 between terminals 1, 3, 4 and 5 of the interphone Type 6204, and fix the card with the screw supplied (fig. 1).

Release the first 4 keys of the interphone by cutting the key lock on the back of the housing (fig. 3).

Remove the third and fourth key from the housing and fit the corresponding transparent keys of Type 615T.

Take care to keep the transparent keys 3 and 4 joined together and not to remove the key lock, so as to keep the third button on card Type 6158 pressed down for the "anti-interphone tampering" function.

Connect the interphone and the cards in accordance with the attached wiring diagrams.

Then connect the alarm sensors to the card.

The alarm sensors that can be connected to the card are of three types: sensor with Normally Open contact for immediate activation of the alarm system (**SA**), sensor with Normally Closed contact for delayed activation of the system by the alarm (**SC**), and sensor with 10K Ohm resistance and Normally Closed contact for delayed activation of the system by the alarm (**SCR**). The sensor with the 10K Ohm resistance can be simulated with a sensor with Normally Closed contact with a 10K Ohm resistance in series.

The sensors must be connected in the order shown in the attached wiring diagrams.

N.B.: The network of sensors must include a sensor with Normally Closed contact and 10K Ohm resistance.

If it is not possible to connect a sensor with 10K Ohm resistance, this can be done by cutting the metal jumper "B" located next to the red LED on the card. The use of this solution prevents the card from recognising manipulation of the timed sensors by short-circuiting them.

The choice to use, on the external sensor harness, an external sensor with N.C. contact with internal 10K Ohm resistor (SRC) or only external sensors without 10K Ohm external resistor requires two different harness wiring diagrams: see enclosed wiring diagrams (type A connection, type B connection).

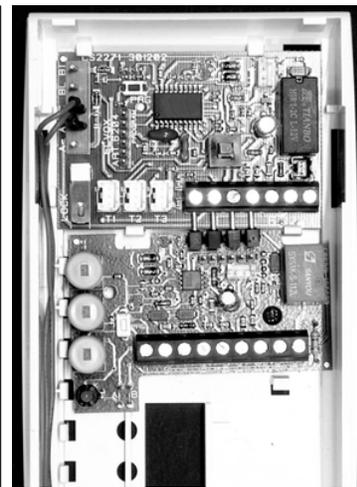


Fig. 1

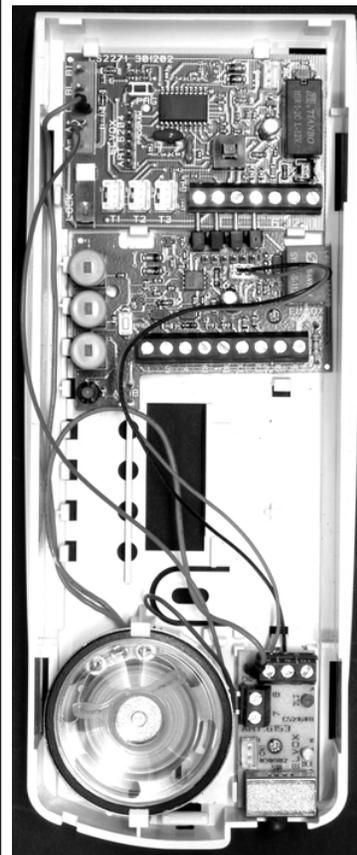


Fig. 2

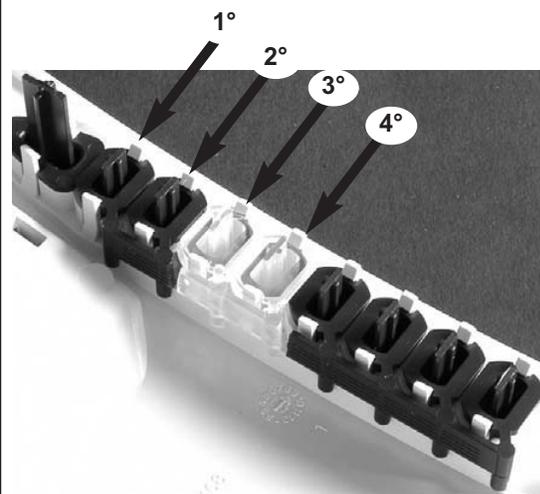


Fig. 3

CARD PARAMETERS

The card must be programmed after completing the connection of the system and programming the call code of the interphone. The parameters to be programmed on card Type 6158 are as follows:

- **Card identification code:** this is the code that the card sends on the digital line to the Digi-Bus switchboard if the alarm is activated. For the identification code, it is preferable to use the same code as the interphone call code.
- **Activation delay time:** this is the time that elapses between activation of an SC or SCR sensor and indication of the alarm with the activation of contact R1-R2 and sending of the identification code on the digital line. When the delay time expires, the card indicates the alarm only if one of the sensors is still active; otherwise it returns to the control state. The delay time enables a user to enter the control area and deactivate or momentarily suspend the alarm system by means of the User Code or Master Code, without setting it off. The following time only has an effect on delayed sensors (SC or SCR) and not on immediate sensors (SA).
The factory-set value is 30 seconds
- **Activation time:** this is the time for which the contact R1-R2 remains active when the alarm is set off.
The factory-set value is 1 minute.
- **Master Code:** the following code makes it possible to momentarily suspend the alarm system without deactivating it, which can only be done with the User Code. The Master code can be used as a master key for carrying out inspections in areas controlled by the alarm system, without having to deactivate it. The Master code is entered by pressing a sequence on buttons P1 and P2 of card Type 6158, of up to a maximum of 8 presses. The Master code also determines the length of the User code, which must be as long as the Master code. It is therefore necessary to enter the Master code first and then the User code. The Master code can be deactivated by assigning it the same value as the User code. The factory-set value is P1 - P2 - P2 (it is advisable to change the code after installing the system).
- **User Code:** the following code makes it possible to activate and deactivate the alarm system. The User code is entered by pressing a sequence on buttons P1 and P2 on card Type 6158, of up to a maximum of 8 presses. The length of the User code is determined by the length of the Master code, as the length of the two is the same. The factory-set value is P1 - P2 - P1 (it is advisable to change the code after installing the system).

PROGRAMMING

The parameters must be programmed with the card Type 6158 in the rest state (alarm not active) and with the interphone housing off. When you have finished programming the card, close the interphone.

Programming the identification code.

Press the PRG button on the card and then keep button P2 pressed down for at least 8 seconds. When the LED on the card lights up (continuously), release the button. Send the identification code from an entry panel or from a Digi-Bus series switchboard. When the identification code is received and saved, the card will automatically switch off the LED and will exit the programming phase. If the code is not sent within 30 seconds of the LED lighting up, the card will automatically exit the programming phase and the LED will switch off. In the case of an error, repeat the operation.

Programming the identification code.

Press the PRG button on the card and then keep button P2 pressed down for at least 8 seconds. When the LED on the card lights up (continuously), release the button. Send the identification code from an entry panel or from a Digi-Bus series switchboard. When the identification code is received and saved, the card will automatically switch off the LED and will exit the programming phase. If the code is not sent within 30 seconds of the LED lighting up, the card will automatically exit the programming phase and the LED will switch off. In the case of an error, repeat the operation.

Programming the activation delay time.

Press the PRG button on the card and then keep button P2 pressed down for at least 8 seconds. When the LED lights up, release the button and press it for a further 2 seconds. The LED will then start flashing with a recurrent single flash. Release button P2. Set the delay time by repeatedly pressing (up to a maximum of 51 times) button P1; the delay time will be equal to the number of presses x 5 seconds (e.g. 6 presses = 6 * 5 = 30 seconds). Save the time and exit the programming phase by pressing buttons P1 and P2 simultaneously. In the case of an error, repeat the operation.

Programming the activation time.

Press the PRG button on the card and then keep button P2 pressed down for at least 8 seconds. When the LED lights up, release the button and press it for a further 2 seconds. Release button P2 and press it again for a further 2 seconds. The LED will start flashing with a recurrent double flash. Release button P2. Set the activation time by repeatedly pressing (up to a maximum of 51 times) button P1; the activation time will be equal to the number of presses x 5 seconds (e.g. 6 presses = 12 * 5 = 60 seconds). Save the time and exit the programming phase by pressing buttons P1 and P2 simultaneously. In the case of an error, repeat the operation.

Programming the Master code.

Press the PRG button on the card and then keep button P2 pressed down for at least 8 seconds. When the LED lights up, release the button. Press button P2 again for a further 2 seconds and then release it. Repeat this operation twice more until the LED starts flashing with a recurrent triple flash. Enter the Master code by pressing buttons P1 and P2 in sequence so as to enter a code; the maximum number of presses is 8.

Example of codes: P1 - P2 - P2 (factory-set code).
P2 - P1 - P2 - P2 - P1
P1 - P1 - P2 - P2 - P2 - P1 - P1 - P2
(maximum length).

The code will be saved automatically 30 seconds after the time at which you entered the programming phase. In the event of an error, press buttons P1 and P2 simultaneously to exit the programming phase without saving the changes.

Programming the User code.

With card Type 6158 in the rest state, press buttons P1 and P2 for at least 5 seconds, until the LED starts flashing rapidly and repeatedly. Enter the User code by pressing buttons P1 and P2 in sequence so as to enter a code; the number of presses is determined by the length of the Master code. The User code must be neither longer nor shorter than the Master code.

Example of codes: P1 - P2 - P1 (factory-set code).
P2 - P1 - P2 - P2 - P1
P1 - P1 - P2 - P2 - P2 - P1 - P1 - P2
(maximum length).

The code will be saved automatically 5 seconds after the time at which you entered the programming phase. In the event of an error, press buttons P1 and P2 simultaneously to exit the programming phase without saving the changes.

Operating principle

When the system is switched on, card Type 6158 takes up the **BASIC** or rest state, keeping the indicator LED 'Off'. From the BASIC state, it is possible to programme the parameters, as described above, or activate the alarm system. The alarm system is activated by entering the User code by means of buttons P1 and P2 on the card. For the operating phases of the alarm system, follow the diagram below.

