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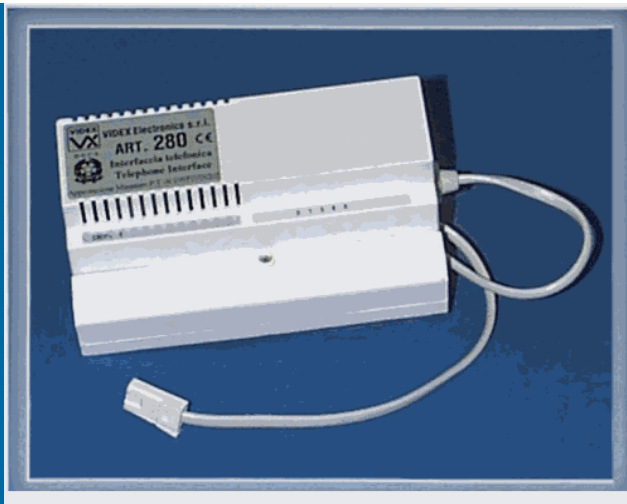
SP280 MANUAL

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DESCRIPTION

The 280 telephone interface allows a conventional telephone to be connected to a Videx door entry system. The telephone can be either tone or pulse dial.



Connections to the telephone line Each telephone line coming into your home or office must be fitted with a six pin master socket installed by the PTO (Public Telecommunication Operator). It is illegal to tamper in any way with this master socket and you can not install it yourself. Additional connections to the master socket must be carried out using a BT style plug (You cannot connect directly to the terminals inside). The ART280 telephone interface unit is supplied with a BT style plug. For more information, see relevant paper work supplied with extension sockets.

Using a conventional telephone it is possible to do the following :

- Make and receive outside calls. (Normal Ring)
- Receive calls from the door station. (Quick double ring)
- Open the door.
- Open the speech lines to the door.
- Place a call on hold (with back ground music), while another call is answered.

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WIRING

The wiring diagram is attached to this document and must be adhered to.

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INITIALISATION

There are four possible settings. (Using the four way dip switch on the 280 interface unit it is possible to set the system to operate as follows).

NOTE : DIP SWITCHES MUST BE SET BEFORE POWER UP.

MODE 4 (Dip switch 4 on, all others off). (Most common mode for the UK).

For use with telephones incorporating '*' Button (Tone dial mode only)

To make an outside call simply pick up the handset and dial the number (No prefix required).

To receive an outside call (The phone will ring normally). Pick up the handset, you will be connected with the caller.

To receive a call from the door panel (A quick double ring will be heard from the phone). Pick up the handset, you will be connected to the door panel.

If you then wish to open the door, simply press the number '9' key, (You will hear short bleeps from the ear piece).

To talk to the door without first being called simply pick up the handset and press the '*' key followed by the '7' key. you can now talk to the door panel. If you then wish to open the door press the number '9' key.

If a outside call is received while you are talking to the door panel (Acoustic signal from the ear piece) it is possible to put the door panel on hold (with music) while you take the outside call. To do that simply press the '*' key. After the call, to switch back, simply press the '*' key again.

If a call is received from the door panel while you are talking on an outside call (Acoustic signal from the ear piece) It is possible to put the outside call on hold (with music) while you take the call from the door panel. To do this simply press the '*' key. After the call, to switch back, simply press the '*' key again.

MODE 3 (Dip switch 3 on, all others off).

(For telephones with flash button facility [Pulse or tone].

The functions are the same as for mode 4, except the flash button is used instead of the '*' button.

MODE 2 (Dip switch 2 on, all others off)

(For telephones with flash button facility [Pulse or tone].

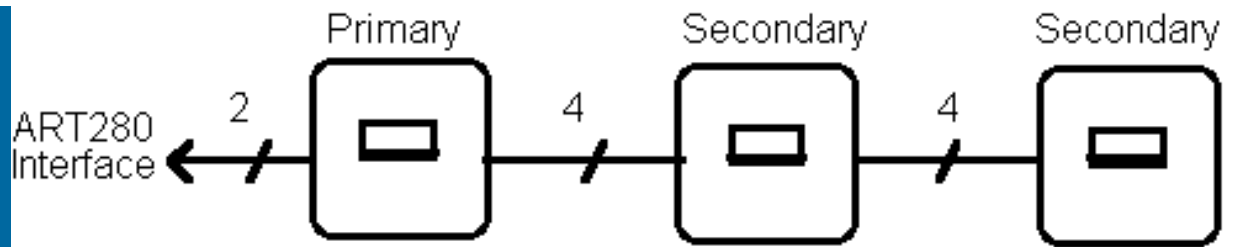
The functions are the same as mode 3, except the door panel can not be switched on without a call.

MODE 1 (Dip switch 1 on)

(For telephones with dial disk [Pulse mode only].

As above except the flash button is replaced with a double strike on the hook switch.

Connecting more than one handset Up to two additional handsets can be connected, using secondary telephone sockets as shown in the diagram below.



Lock release back EMF protection : A capacitor must be fitted across the terminals on an AC lock release and a diode must be fitted across the terminals on a DC lockrelease to suppress back EMF voltages. The diagrams below show how to connect these components to the lock releases.

Cable size and type : When running cables for any intercom system, these cables must be installed separately from the mains cables. All multipair cables should be to CW1308 specification. (0.5mm twisted pair telephone cable). Max resistance = 10 Ohm.

Lock release wires should be doubled up. Max resistance = 3 Ohm

The cables sizes above can be used for distances up to 50m. On distances above 50m the cable sizes should be increased to keep the overall resistance of the cable below the RESISTANCE'S indicated above.

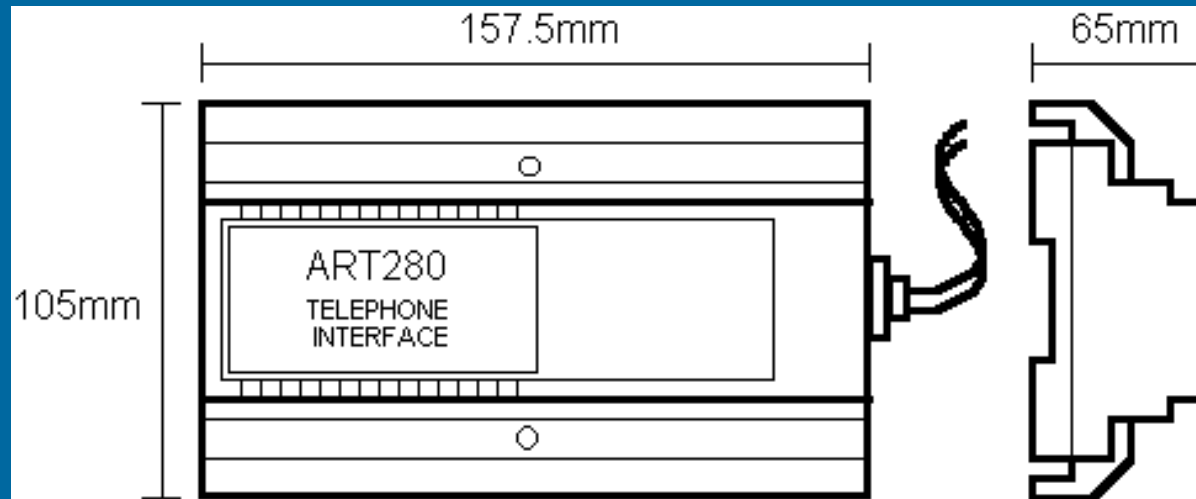
The total length of standard telephone wiring between the primary and each extension socket must not exceed 50M. The total length from the primary socket to the furthest secondary socket must not exceed 100M.

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DIMENSIONS

The ART280 is enclosed in a standard 9 module DIN box. (157.5mm Long x 105mm wide x 65mm high).

The DIN module can either be mounted directly to the wall or onto a DIN rail.



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APPROVAL

The equipment has been approved in accordance with Council Decision 98/482/EC for pan-European single terminal connection to the public switch telephone network (PSTN). However, due to differences between the individual PSTNs provided in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point.

In the event of problems, you should contact your equipment supplier in the first instant.

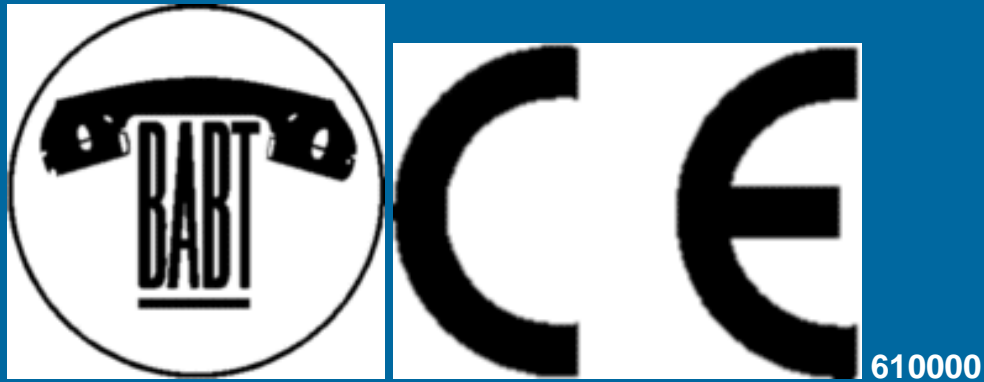
Your Art.280 telephone interface is fully approved to be connected to the following circuits :-

Public Switched Telephone Network (PSTN) - Non DDI

Private Branch Exchange (PBX)

If the unit is to be used on any other network which is not listed above, you must first contact the vendor.

The Art.280 telephone interface complies fully with the requirements of **TBR21** in all modes of operation.



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SPECIFICATION

Supply Voltage 230V AC

Max number of telephones 3

On hold music For Elise

Approval BABT certification number 610000

Operating modes 4

Enclosure material ABS Plastic

Line cord length 3M

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