

Description of units

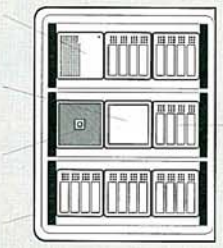
Tersystem 2000 pushbutton panel

Modular pushbutton panels: by suitably assembling a limited number of different components, pushbutton panels of any type and configuration may be obtained. A typical arrangement is illustrated.

When the pushbutton panel is flush mounted and exposed to rain, it is necessary to fit the rainshield illustrated in the commercial catalogue. The modules must always be assembled in the pushbutton panel in such a way that the pushbuttons are on the right.

The following finishes are available: natural anodised aluminium, lacquered white or brown.

art. 2309 art. TC90 art. 2149 art. 2170



art. 2184

General characteristics

The system may comprise the following:

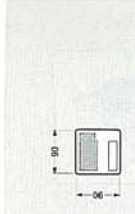
- flush mounting recessed boxes with extruded aluminium plate
- rainproof flush mounting or gate mounting housing
- module fitted with "porter" speaker grilles, with or without "WAIT" display
- 1, 2 or 4 pushbutton modules
- color coded connection terminal blocks
- blanking modules or modules with illuminated plate name
- video camera module

Art. TC90 solid-state camera module

This video camera with very reduced dimensions is made up of one single Tersystem module and replaces both art. TC10 and modules art. 2147 and 2148. TC90 is equipped with infrared illumination.

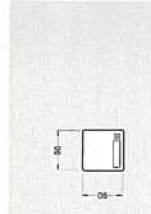
Art. 2179 - "Porter" module

Similar to art. 2170, but fitted with "WAIT" indicator, for installations using two or more external units.
Finish: art. 2179, natural anodised aluminium art. 2179WS, white art. 2179BR, brown



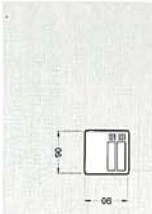
Art. 2181 - 1 pushbutton module

Finish: art. 2181, natural anodised aluminium art. 2181WS, white art. 2181BR, brown



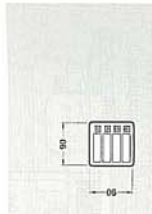
Art. 2182-2 pushbutton module

Finish: art. 2182, natural anodised aluminium art. 2182WS, white art. 2182BR, brown



Art. 2184-4 pushbutton module

Finish: art. 2184, natural anodised aluminium art. 2184WS, white art. 2184BR, brown

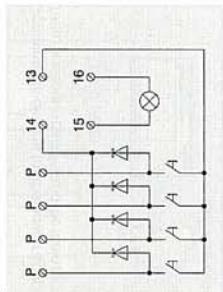


Art. 2170 - "Porter" module

Complete with potentiometers for the adjustment of transmitted sound level and balancing.
Finish: art. 2170, natural anodised aluminium art. 2170WS, white art. 2170BR, brown



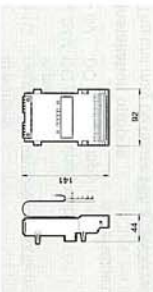
Connection terminals and associated functions



- 16 0V AC
- 15 12V AC for pushbutton illuminating lamp
- 14 sound signal common and electric door lock common
- 13 call pushbutton common to extensions
- P sound signal and electric door lock control signal

Art. VTP10 - Electronic unit for installations using Tersystem 2000 pushbutton panels

Contains circuitry allowing connection to the external unit using only three wires for power supply connection, twisted pair cable and one return connection for each pushbutton.

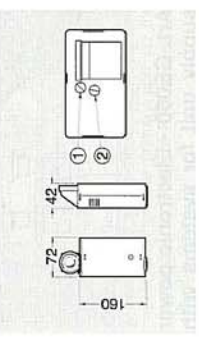


Characteristics

- Built-in 4 way connector for connection to the "porter" module, art. 2170 or art. 2179
- Multiway cable with 5 way connector for connection to the TC10 video camera pushbutton module
- Colour coded connection terminal blocks
- Weight: 0.360 Kg

TC20 - Video camera

For Tersystem pushbutton panel. Complete with 8.5 mm, F 1.5, 90° lens and incorporated mechanical shutter for VIDICON tube protection.



- (1) Screw for mechanical focusing
- (2) Screw for isolating the mechanical shutter (adjust only if the shutter is defective)

General characteristics

- 15-24V DC power supply
- Power consumption with unit ON 150 mA
- Scanning standard 625 lines/50 halves/seconds
- Horizontal frequency 15625 Hz
- Vertical frequency 50 Hz
- Definition at the centre of the picture >380 lines
- Minimum illumination 5 lux
- Flange for automatic brightness adjustment from 5 to 80000 lux
- Video output 1 Vpp on 75 ohms
- Start-up time <6 seconds
- Operating temperature from -20° to +50° C
- Weight 0.38 Kg.

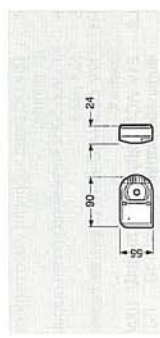
Connection terminals and associated functions

- 1 Coaxial cable: screen
- 2 Coaxial cable: video signal
- 3 0 volts
- 4 Timed power supply for TV camera 15-24V DC (1 min.)
- 5 TV camera stand-by 15V DC
- 6 Screen synchronism 15Vpp

Installation option

Mounting on Vandal-resistant pushbutton panels

Art. 2660 - Electronic "Porter"



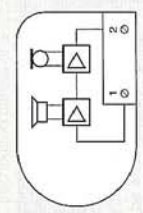
Vandal-resistant pushbutton panels

Designed to meet the growing requirement of protection from vandalism, they integrate high-resistant material with a smart appearance. The system is made from strong light alloy die-cast plates with anti-corrosion surface treatment, with recessed boxes of galvanized sheet steel. Nameplates are made from 4 mm thick polycarbonate, which is both impact and flame resistant. Audio panel are available with up to 6 pushbuttons and video panels up to 4 pushbuttons. Expansion panels are available for larger systems.

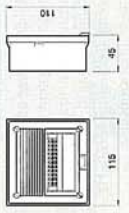
Connection terminals and associated functions

- T 24V AC input
- S 0V AC input
- 0V DC output
- 18 0V AC output for electric door lock
- 17 17V_{rms} power half-wave output for lock, via relay contact
- 16 0V AC output for pushbutton illumination lamps (max. 4)

General characteristics
 - Amplified electret microphone and loudspeaker
 - Two potentiometers: one for volume adjustment and the other for balancing
 - Weight: 0,130 Kg.

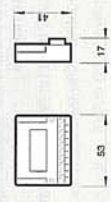


Art. GE060 - Electronic power supply unit for systems with AV pushbutton panels
 To be mounted on the bottom of the flush mounting box for the AV series prior to making good of masonry.

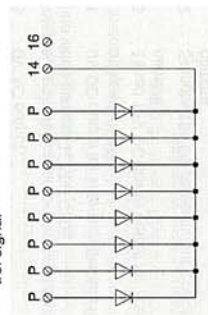


Weight: 0,320 Kg.
Connection terminals and associated functions
 IN Not used
 SC Not used
 CV Link
 CV Link
 PZ Porter audio
 P1 Porter audio
 10 Positive video signal output
 11 Negative video signal output
 12 Not used
 13 Monitor activation and call control from external unit
 14 Audio signal and electric door lock activation output
 15 17V power half-wave output for lamps illuminating name-plates (4 lamps max.)
 16 0V AC output for lamps illuminating name-plates (4 lamps max.)
 17 17V power half-wave output for electric lock, via relay contact (4 lamps max.)
 18 0V AC output for electric door lock
 19 0V DV output
 T(24) 24 VAC input
 S(24) 0V VAC input
 2 Video signal input from video camera
 3 0V DV output for video camera
 4 18V DV timed supply for video camera (1 minute)
 5 13 Vpp 50-Hz frame synchronism output
 6 Not used
 R1 17V power-half-wave output for heater element
 L2 24V AC supply output for 24V 10W illumination lamp
 RL3 0V AV output
 (14) OR diode common
 P Audio Signal and electric door lock signal commons

Art. GD008 - 8 diode unit
 To be mounted in AV series pushbutton panels, one unit for every eight pushbuttons, in installations with more than six extensions.



Connection terminals and associated functions
 14 Audio signal and electric door lock signal commons
 P audio signal and electric door lock control signal



PS100 - Power supply

General characteristics
 - DIN modular housing 10 modules
 - 220V 50-60Hz power supply
 - 60VA transformer
 - Colour coded terminal blocks
 - Weight: 1,450 Kg

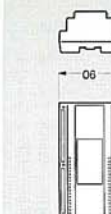
Connection terminals and associated functions
 S 0V AC
 T 22V AC self-protected against short circuits for: power supply for both lamps illuminating the pushbutton and heater element of art. 2147/0,9A continuous service power supply for audio signal common, call signal commons, common for illuminating the viewing range, etc.
 0.5A intermittent service 1 min. on, 3 min. off electric door lock
 3A non continuous
 0V DC
 + 25V DC 0.8A intermittent service 1 min. on 3 min. off self-protected against short circuit and overloads for power supplying internal units, shutters, etc.

Installation options
 The unit may be housed on a DIN35 rail in a modular housing or, in conjunction with accessory art. APS10, may be wall mounted.

Digital numeric keypad panel
Art. AVD20 - Basic pushbutton panel
 Having the same construction as the vandal-proof series this pushbutton panel features a weather-resistant keypad with illuminated symbols and numbers which allows entry of the number corresponding to the required extension to be called.
 The entered number appears on the display and, in the case of incorrect entry, may be cancelled and re-entered before pressing the call button.
 By means of the keyboard, it is also possible to control the opening of an electric door lock by entering a four digit security code and pressing the pushbutton marked with the 0 key symbol; in this case the security code entered on the keypad will not appear on the display.
 The pushbutton panel is supplied complete with audio system with two potentiometers, one for adjustment of the volume and the other for balancing.

Installation options
 The unit may be housed on a DIN35 rail in a modular housing or, in conjunction with accessory art. APS10, may be wall mounted.

Art. PS140 - Power supply for simultaneous operation
 Contains the circuits for the power supply for three monitors in parallel and the main monitor.



Characteristics
 - DIN modular housing 10 modules
 - 220V 50-60 Hz power supply
 - 60VA transformer
 - Colour coded terminal blocks
 - Weight: 1,480 Kg

Connection terminals and associated functions
 10IN positive polarity video input
 11IN negative polarity video input
 100UJ positive polarity video output
 110UJ negative polarity video output
 10C positive polarity video output monitor in parallel
 11C negative polarity video output for monitor in parallel
 +24V DC power supply output
 -0V DC power supply output

Installation options
 The unit may be housed on a DIN35 rail in a modular housing or, in conjunction with accessory art. APS10, may be wall mounted.

Digital numeric keypad
Art. GE050 - Electronic power supply unit for installations fitted with digital numeric keypads
 To be mounted on the bottom of the flush mounting box for the AVD10 prior to making good of masonry.

Characteristics
 - As art. AVD20
 - Weight Kg. 1,730



Characteristics
 - Pressure diecast aluminium plate treated so as to retain its finish indefinitely.
 - Zinc passivated sheet steel flush mounting box and frame.
 - Weight Kg. 1,850

Art. AVD30 - Legend panel
 To be used, if required, in conjunction with the AVD10, allowing for 32 or 64 names to be displayed with their corresponding numbers.

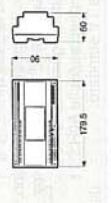


Characteristics
 - As art. AVD20
 - Weight Kg. 1,730

10 Positive video signal output
 11 negative video signal output
 12 0V AV input for "WAIT" indicator lamp
 13 Monitor activation and call control from external unit
 14 Audio signal and door lock activation output (diode OR)
 15 Not used
 16 Not used
 17 17V power half-wave output for electric lock, via relay contact
 18 0V AC output for electric door lock
 19/20 For connection of a switch or timer for operation of the electric door lock without the need to enter the security code, i.e. by simply pressing the 0 key (when these terminals are short circuited the door lock will operate by simply pressing the 0 key).

T(24) 24V AC input
 S(24) 0V AC input
 2 Video signal input from video camera
 3 0V DC output for video camera
 4 18V DV timed supply for video camera (1 minute)
 6 13V 50 Hz frame synchron. output
 5 15V DC stand-by supply for video camera
 R1 17V power half-wave output for heater element
 L2 24V AC supply output for 24V 10W illumination lamp
 RL3 0V AC output
 T(12) 12V AC
 -2 0V DC for transmission line
 -3 0V DC, power supply for BV030
 +2 12V DC transmission line for BV030
 +3 12V DV, power supply for BV030
 C clock input
 D data input
 13 call signal common to extensions
 14 sound signal common and electric door lock control signal common
 T 12V AC
 S 0V AC

Art. PS190 - Power supply/Decoder
 For use with installations fitted with a digital numeric keypad.



Characteristics
 - Automatic short circuit and overload protection on the primary and on the secondary by means of PTC devices and fusible links
 - 10 unit DIN modular housing
 - Weight Kg. 1,450

Connection terminals and associated functions
 la enable signal output for 1st decoder group (1-256)
 lb enable signal output for 2nd decoder group (257-512)
 lc enable signal output for 3rd decoder group (513-768)
 ld enable signal output for 4th decoder group (769-999)
 0V DC
 -2 0V DC, transmission line
 -3 0V DC, power supply for BV030
 +2 12V DC transmission line for BV030
 +3 12V DV, power supply for BV030
 C clock input
 D data input
 13 call signal common to extensions
 14 sound signal common and electric door lock control signal common
 T 12V AC
 S 0V AC

Installation options
 The unit may be mounted on a DIN 35 rail in a modular housing or, in conjunction with accessory APS1, may be wall mounted.

Art. DR020 - Decoder/Junction unit
 For use with installations with numeric keypad. The unit allows connection of 32 extensions. Included with the unit is a multi-way cable with two connectors for wiring up the unit.

Art. MP50WS - Internal wall mounted unit

 - Weight Kg. 0,310

Connection terminals and associated functions
 1-32 call signal, audio signal and electric door lock control signal
 I enable input for decoder unit

Installation options
 The unit may be mounted on a DIN 35 rail in a modular housing or, in conjunction with accessory APS10, may be wall mounted.

Connection terminals and associated functions
 (1) Luminosity adjustment
 (2) Contrast adjustment
 (3) Door opening pushbutton
 (4) Stairwell lights pushbutton
 (5) Monitor switch-on from indoors
 (6) Unused (free) pushbutton

Characteristics

- 18-25 V DC supply
- Automatic short circuit and overload protection using PTC devices.
- Power supply current requirements when switched on: 450 mA.
- Monitor: 4" screen, 90° deflection.
- Warm-up time: 6 seconds approx.
- Input video signal amplitude: 1 V_p videocomposite 50Hz
- 625 line TV standard.
- Timed activation period: 60 seconds approx.; when the electric door unlock is activated, the monitor is switched off before expiry of the timed period.
- Audio subsystem features conversation "secrecy".
- Colour coded terminal blocks.
- Weight: 1.6 Kg.

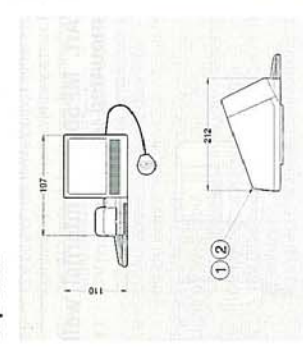
Connection terminals and associated functions

- + 18-25 V DC supply unit
- 0 V DC supply unit
- 10IN positive video signal input
- 11IN negative video signal input
- 10OUT positive video signal output
- 11OUT negative video signal output
- 13 signal input for switch-on from indoors parallel
- 23 output for 40.50N auxiliary ringer connection to 40.92 relay unit
- 24 output for 40.91 stairwell illumination relay
- P monitor activation and call signal from external unit

Installation options

Wall mounting, using screws and wall plugs.

Art. MT50WS - Internal table-top unit



- (1) Luminosity adjustment
- (2) Contrast adjustment

Characteristics

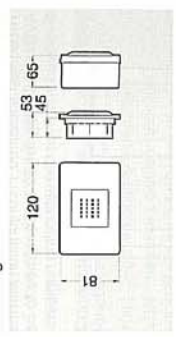
- 18-25 V DC supply
- Automatic short circuit and overload protection using PTC devices

Characteristics

- 18-23 V DC supply
 - Automatic short circuit and overload protection using PTC devices
 - Input video signal amplitude: 0.5-1.5V_{pp}
 - 625 line TV standard
 - Vertical frequency: 50 Hz (mains frequency synchronized)
 - Weight: 0.6 Kg.
- Connection terminals and associated functions**
- As described for art. MSS0.
- Installation options**
- Wall mounting, using screws and wall plugs.

Art. AS2 - Flush or wall mounting socket

This socket is used for the connection of MT50 units. The socket is supplied complete with flush mounting wall box and surface mounting box.

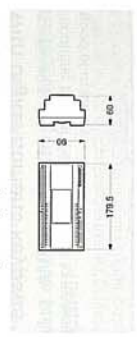


Installation options

Flush wall mounting on rectangular wall box, or surface mounting using screws and wall plugs.

Art. BV010 - "Biporter" switching unit

Switching unit for installation with two external units. The unit enables audio and video signal connection, as well as electric door lock control signal connection with the external unit from which the call has been made. For installations having more than two external units, a special purpose device is available.



Connections terminals and associated functions

- T 24V AC input
- S 0V AC input
- 10 Positive video signal output
- 10A Positive video signal input from external unit A
- 10B Positive video signal input from external unit B
- 11 Negative video signal output
- 11A Negative video signal input from external unit A
- 11B Negative video signal input from external unit B
- 12A 0V AC output for "WAIT" indicator lamp on external unit A
- + DC output for "WAIT" indicator lamp

12B 0V AC output for "WAIT" indicator lamp on external unit B

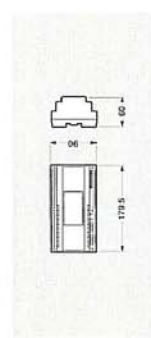
- 13a Monitor activation and call signal output from external unit A
- 13b Monitor activation and call signal output from external unit B
- 13A Monitor activation and call signal input from external unit A
- 13B Monitor activation and call signal input from external unit B
- 14a Audio and door lock control outputs to external unit A (diode OR)
- 14b Audio and door lock control outputs to external unit B (diode OR)
- 14A Audio and door lock control inputs from external unit A (diode OR)
- 14B Audio and door lock control inputs from external unit B (diode OR)

Installation options

The unit may be mounted on a DIN 35 rail in a modular housing or, in conjunction with accessory APS1, may be wall mounted.

Art. BV030 - Adapter

Adapter to be used in installations with digital numeric keypad and two external units in conjunction with the "biporter" switching unit BV010.



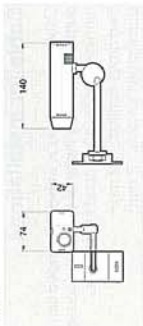
- Weight Kg. 0.300

Connection terminals and associated functions

- T 12V AC
 - 13 call pushbutton common to extensions
 - +2 12V DC for transmission line
 - +3 12V DC, power supply
 - 3 0V DC, power supply
 - C data output
 - C clock output
 - 13a call pushbutton common to extensions from external unit A
 - 13b call pushbutton common to extensions from external unit B
 - 12A input to disable external unit A
 - 12B input to disable external unit B
 - DA data input from external unit A
 - DB data input from external unit B
 - CA clock input from external unit A
 - CB clock input from external unit B
 - IA enable input from external unit A
 - IB enable input from external unit B
- Installation options**
- As described for art. BV010.

Art. TC50 - Video camera

For internal wall or ceiling mounting. Supplied complete with adjustable bracket, and incorporated mechanical shutter for Vidicon protection. The camera is supplied without lens.



Characteristics

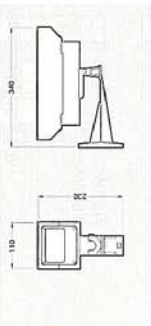
- 16-18V DC supply
- Supply current requirements: 400 mA when switched on
- Free interface
- Scanning standard: 625 lines - 50 half squares per second
- Horizontal scanning frequency: 15625 Hz
- Vertical frequency: 50 Hz
- Definition of image centre: 500 lines
- Minimum illumination level: 10 lux
- Automatic luminosity adjustment range: 10 lux to 40,000 lux
- Video output: 1.2V_{pp} ± 10% 75 Ohm
- Operating temperature range: -10°C to +45°C
- Vidicon protection: by means of incorporated mechanical shutter
- Weight: 1.230 Kg.

Connection terminals and associated functions

- 7 Coax cable: screen
 - 3 Coax cable: video signal
 - 5 Timed 16V DC power supply to video camera (1 minute)
 - 4 Frame sync: 13V AC 50 Hz
- Installation options**
- The unit may be wall or ceiling mounted using screws and wall plugs.

Art. TC50E - Water-resistant video camera

Similar to the TC50 camera, but housed in a waterproof enclosure equipped with thermally controlled heater, fitted with rainshields and mounted on adjustable bracket for outdoor use.



Characteristics

- Similar to TC50 camera.
 - Weight: 3.500 kg
- Connection terminals and associated functions**
- As for the TC50 camera, with the following additional connections:
- R-R 17V_{plus} power half-wave output for heater element

Lenses available for TC50 and TC50E cameras:

Art.	Focal length f in mm.	Diaphragm type	Focusing
45.80	f 8	F1,3	adjustable
45.81	f 16	F1,4	adjustable
45.82	f 25	F1,4	adjustable
45.87	f 4.5	F2	adjustable

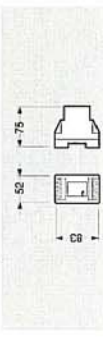
Installation options

Wall mounting using screws and wall plugs

Art. 40.91 - Relay unit with timer for stairwell illumination

The timer may be controlled by mains (220V) or by the installation (12-30V DC or AC) at the same time if desired.

Continuous timer, period adjustment range from 15 seconds to 10 minutes. The timer is reset each time the stairwell illumination light switch is pressed.



Characteristics

- Power supply: 220V 50 Hz
- NO relay contact rating: 220V 50 Hz 10A
- Timing period: 15 seconds to 10 minutes
- Control: 220V AC or 12-30V DC or AC

Connection terminals and associated functions

- 1-2 NO relay contact
- 5-4 Relay control, 12-30V AC/DC (positive connection to terminal 4)
- 3 Relay control, 220V AC

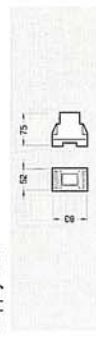
Installation options

Wall mounting using screws and wall plugs supplied, or may be mounted on DIN 35 rail.

Note: if illuminated pushbutton switches are used for 220V AC control, the number of such pushbuttons must not exceed 15.

Art. 40.92 - Relay unit

Consists of a relay fitted with one closing contact and one changeover contact for control of: illumination lamps for video camera, electric door locks working at voltages other than those supplied by the electronic power supply unit.



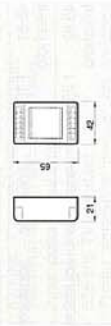
Characteristics

- Power supply requirements: 12V AC or DC
- Contact rating: 5A 220V
- 3 unit DIN modular enclosure

Art. DE40

Video signal junction unit

This unit is used for decoupling of the video signal from the riser trunking to three outputs.



Characteristics

- Power supply requirements: 22-35V DC
- Attenuation: 0.7dB
- Power supply current: 60mA

Installation options

Housed in junction box.

Art. 40.50N

Electronic auxiliary ringer

This unit allows for distribution of the call tone to other areas of the same dwelling.



Characteristics

Electronic call signal differentiated according to external unit and floor.

Connection terminals and associated functions

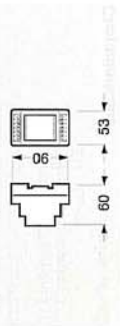
- 7 Do not connect
- 17 Do not connect
- 8 Do not connect
- 18 Input for single tone or dual tone call signal
- 0 0V, loudspeaker
- 3 Do not connect
- 11 Do not connect
- 13 Do not connect

Installation options

The unit may be wall mounted by means of the screws and wall plugs supplied or on a 60 mm diameter flush mounting box.

Art. GN010 - Note generator

Electronic sound note generator for call function. May be installed in all installations described in technical bulletin n. 83 (refer to diagram on page 16).



Characteristics

- 3 unit DIN modular housing

Note

Installation options
May be mounted on DIN35 guide within a modular housing, or may be wall mounted using the APS3 accessory.

Art. CI020

Cable for installations

Cable for installations with colour coded conductors matching those of the colour coded terminal blocks to be found in the units.

- Red cross section: 2 mm²
 - Black cross section: 2 mm²
 - Yellow cross section: 0.5 mm²
 - White cross section: 0.5 mm²
 - Blue cross section: 0.5 mm²
 - Brown cross section: 0.5 mm²
 - Pink cross section: 0.5 mm²
- The pink and brown conductors are arranged as a twisted pair.

Art. APS10 - Accessory for wall mounting

This accessory allows wall mounting of items in 10 unit DIN modular housings. It comprises a DIN 35 rail to accommodate 10 modules, terminal block protective covers, screws and wall plugs.

Art. SL010 - Illuminated signal

Illuminated "WAIT" signal for systems with two or more external units supplied with Varietal-resistant pushbutton panels.

Installation options
Illuminated signals are mounted in the seat of one pushbutton and it is therefore necessary to equip the external units with one additional pushbutton, to be replaced by art. SL010.

For Tersystem series pushbutton panels this illuminated signalling may be obtained by using the information module art. 2149 provided with "WAIT" unit.
It is therefore necessary to equip the external unit with one additional module, which will be replaced by art. 2149.

NOTE

The items of equipment described above, which operate at 220V 50Hz may be supplied on request for the other power supply standards (such as: 240V 50Hz; 110V 60 Hz, etc.)

General installation requirements

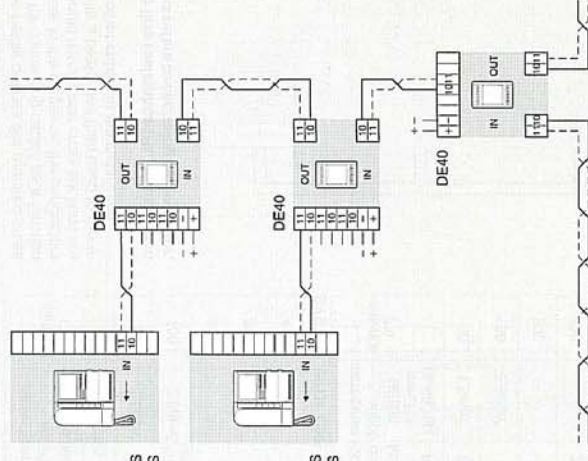
General instructions and tables

Ensure that the PS100 power supply unit is not connected to the mains supply during cabling operations.

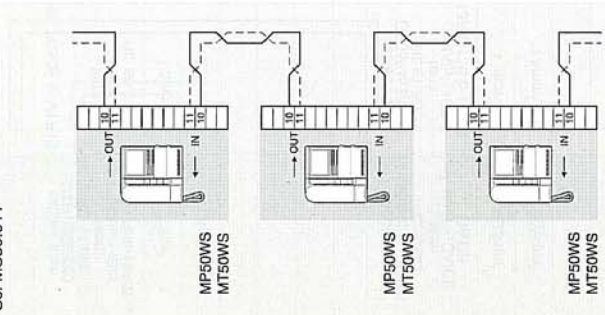
Video signal distribution

- The diagram below give 3 typical examples of video signal distribution:
Diagram Sc. MS50.011 shows the distribution of the video signal using serial connections.
Diagram Sc. MS50.012 shows the distribution of the video signal using DE40 video signal junction units.
Diagram Sc. MS50.013 shows the distribution of the video signal on riser trunkings using DE40 video signal junction units.
- The use of DE40 video signal junction units allows the monitors to be connected directly to the riser trunking.
- In installations covering a large area it is recommended to keep the leads connected to terminals S and T on the PS100 power supply unit as far apart as possible.
- In installations where serial connections are used, if a monitor is disconnected for maintenance purposes, it is essential to link the terminals labelled 10IN and 10OUT, as well as terminals 11IN and 11OUT, in order to allow the downline monitors to continue operating.

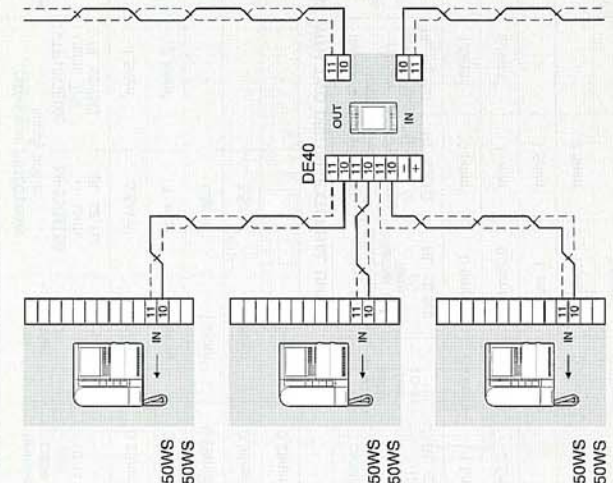
Sc. MS50.013



Sc. MS50.011



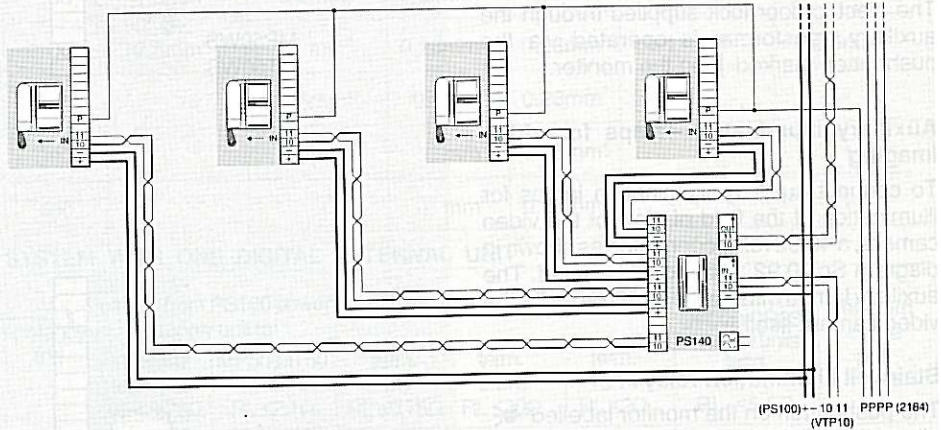
Sc. MS50.012



Switching on of several paralleled monitors

To obtain the simultaneous switch-on of several paralleled monitors it is necessary to install an auxiliary PS140 power supply unit for each three additional monitors connected. The connections should be carried out as illustrated in diagram Sc. PS140.001

Sc.PS 140.001



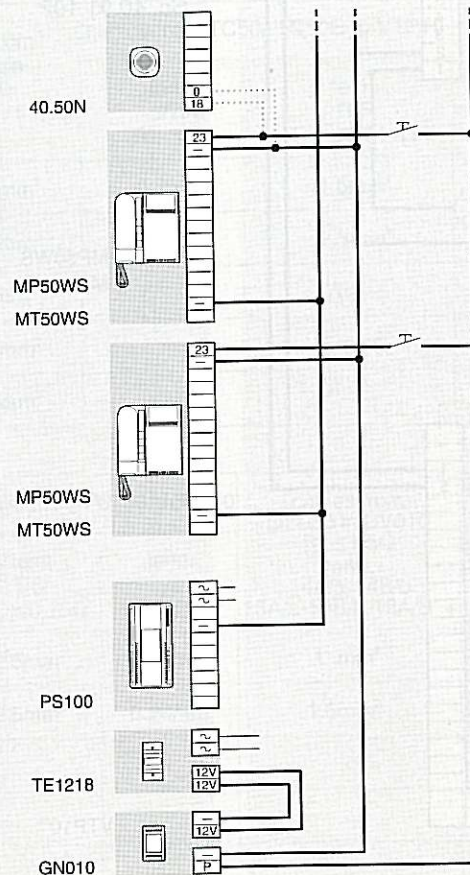
On-floor call

In order to have an on-floor call signal differentiated from the call signal from the external unit, the GN10 unit should be used, wired as shown in diagram Sc. GN010.001.

For system with art. GE050 do not use transformer art. TE1218, but power supply art. GN010 (terminals -/12V) directly from art. PS190 (terminals S/T)

It is necessary to equip the riser trunking with an additional cable.

Sc. GN010.001



Multi-way installation with Tersystem 2000 pushbutton panel unit

Features

This installation allows an audiovisual connection between the external unit and several internal units.

Conversation secrecy is assured, both with regard to the video and to the audio subsystems. When the visitor in the hallway presses a pushbutton on the pushbutton panel unit, a call signal is sent to the selected internal unit, and after a delay of some 6 seconds, his image will appear on the monitor of the called internal unit. The user, if he should so desire, may lift the handset off the hook and initiate a conversation which can last up to some 60 or 70 seconds. In this type of installation the possibility of switching on the monitor from the internal unit is not foreseen, thus the pushbutton should not be wired.

The two diagrams provided illustrate the disconnection of the video signal using the DE40 junction unit with serial connection.

Implementation of the installation

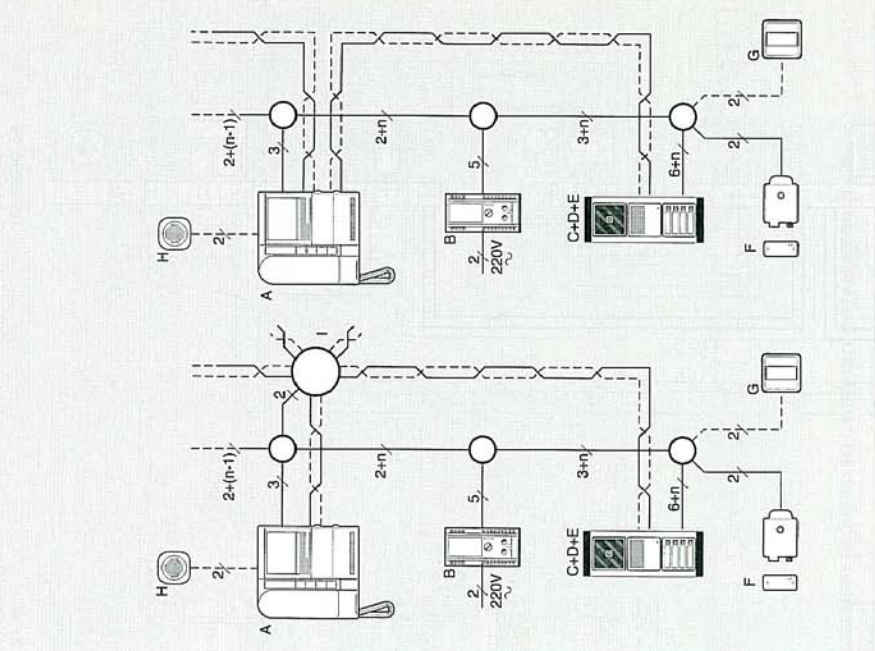
- Select the units and components required by reference to table 3.
- Lay the wiring in accordance with the connection diagram Sc.MS50.014 or MS50.005 in which the number of conductors and cables required for the equipment interconnection is indicated.
Note: In order to avoid any noise (50Hz) within the speaker unit, lay the two T/S power supply cables of art. PS100 in a sheath separate from the other cables of the installation.
- Install and connect the items of equipment as indicated in diagram Sc. MS50.015 or MS50.006, following the installation instructions given on page 13.
- Test the installation as described on page 20.

The optional connection for the G pushbutton for operation of the door lock from the entrance hallway is shown as a dotted line in the diagrams.
 With regard to the optional services, the indications given on page 24 for the single-family installation apply.

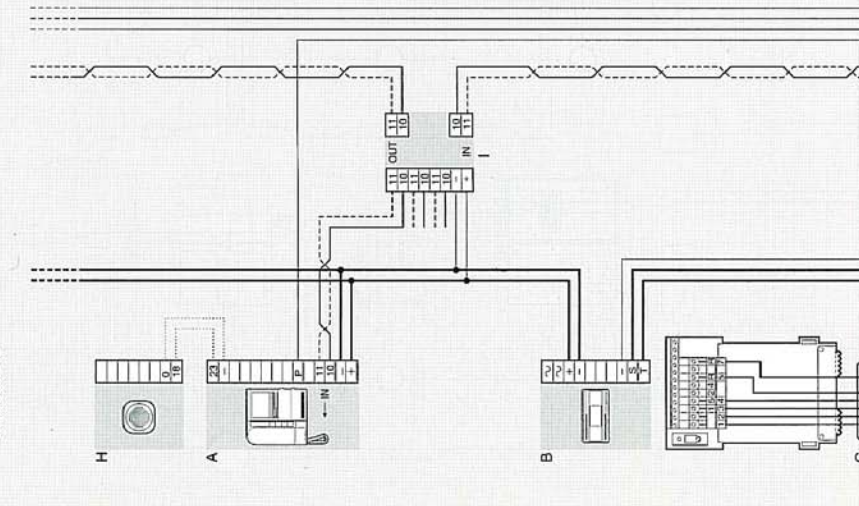
The common VTP10 unit must be housed in the Tersystem 2000 pushbutton panel unit behind the "Porter" module. The module occupies two module positions. Mechanical fixing is by snap action to the rear of the extrusion.

When using the camera module art. TC90, the protective terminal cover must be removed (by sliding it horizontally after having removed the two fixing screws), the multiview cable with connector must be removed and the internal terminal block must be used to make the necessary connections to the separate video cameras.

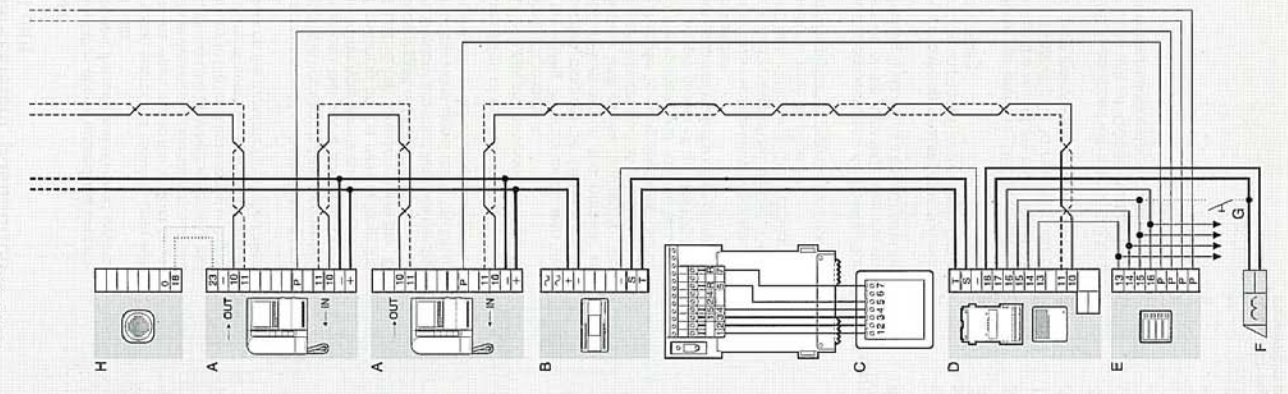
Sc.MS50.014



Sc.MS50.015



Sc.MS50.006



EQUIPMENT REQUIRED TO CARRY OUT INSTALLATION - TABLE 3

Diag. ref.	Art.	Description	Qty.
A	MP50WS MT50+AS2	Internal unit Internal unit + socket	1+n
B	PS100	Power supply unit	1
C	TC90	Video camera	1
D	VTP10 2170	Common unit "Porter" module	1
E	2184	Pushbutton module	1+n
F	-	Electromagnetic lock	1
G	-	Open door pushbutton	1
H	40.50N	Additional chime	1
I	DE40	Video signal junction unit	1/3A

N.B. - with regard to the module carrier plate and to the flush mounting wall box, refer to the commercial catalogue.