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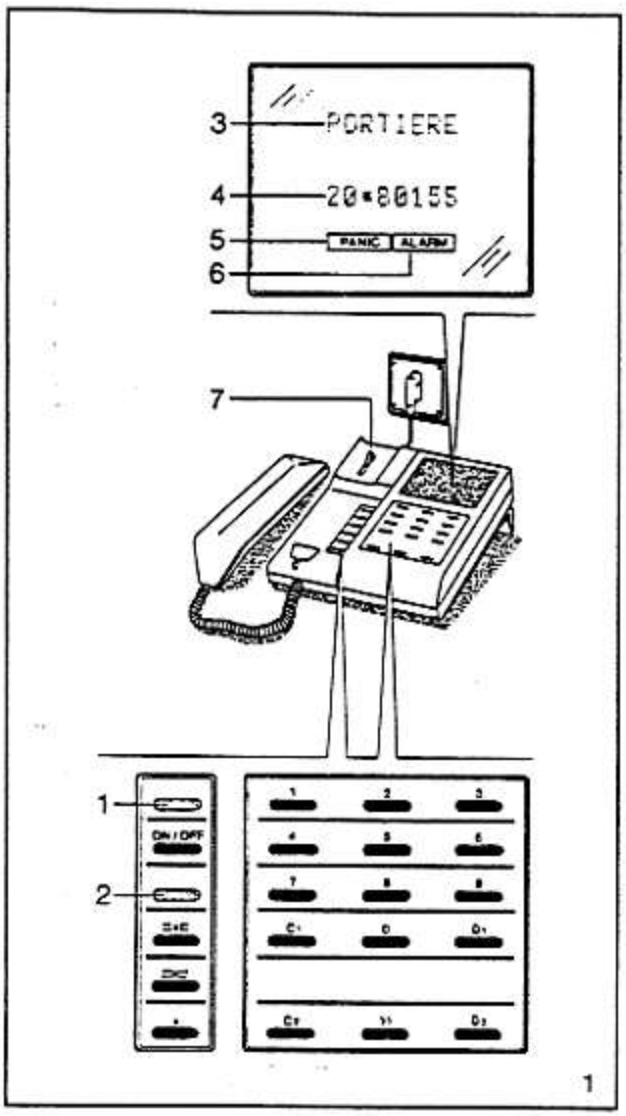
CENTRALINO DA PORTINERIA
CON CHIAMATA CODIFICATA
SWITCHBOARD FOR SYSTEM 100
VIDEO ENTRY INSTALLATIONS
WITH CODED CALL
PFÖRTNERZENTRALE MIT
CODIERTEM RUFSYSTEM
STANDARD POUR INSTALLATION
VIDEO PORTIER AVEC APPEL CODE

VPD/100
VPDM/100

ISTRUZIONI PER L'INSTALLAZIONE
INSTALLATION INSTRUCTIONS
INSTALLATIONSANLEITUNG
INSTRUCTIONS D'INSTALLATION



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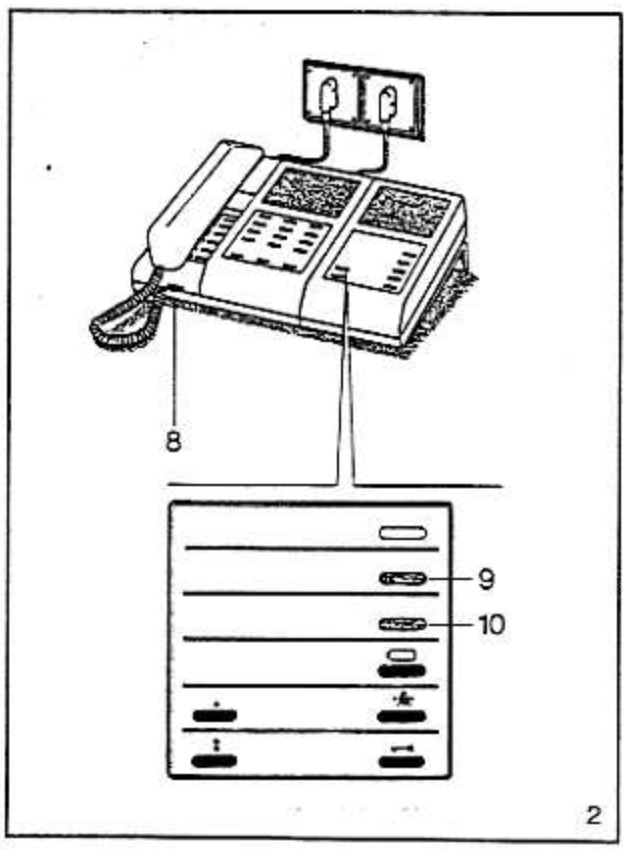

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I ISTRUZIONI PER L'INSTALLAZIONE

CENTRALINO VPD/100 PER IMPIANTI VIDEOCITOFONICI CON CHIAMATA CODIFICATA

Il centralino rappresenta l'elemento di filtro e smistamento delle comunicazioni tra visitatori in arrivo e gli inquilini di un edificio, consentendo altresì una serie di operazioni da inquilini a centralino e viceversa, che sono di utilità per il regolare svolgimento ed il maggior comfort della vita di una comunità organizzata.

L'apparecchio, rappresentato in fig. 1, è composto da un elemento base comprendente la cornetta e la tastiera di comando. E' fornito di un cavo multipolare lungo 1,70 m con spina per il collegamento rapido alla presa.

È munito dei seguenti comandi e segnalazioni (fig. 1):

1	Indicatore luminoso verde di centralino acceso.
2	Indicatore luminoso giallo di centralino in modo INTERCETTAZIONE.
3	Display 1. Display alfanumerico a 8 digit nel quale vengono rappresentati i codici digitati dal portiere, i codici chiamati dai posti esterni, se in intercettazione, e tutte le informazioni di stato.
4	Display 2. Display alfanumerico a 8 digit nel quale vengono rappresentati i codici degli inquilini che chiedono di comunicare con il portiere. I primi due digit sulla sinistra indicano il numero di chiamate memorizzate, sino a 20, in attesa di evasione; l'asterisco indica invece la chiamata che ha la precedenza.
5	Indicatore di allarme 1 (PANIC).
6	Indicatore di allarme 2 (ALARM).
7	Gancio cornetta.
0 ÷ 9	Pulsanti per l'immissione dei codici.
C1	Pulsante di cancellazione del display 1.
C2	Pulsante di cancellazione del display 2. Contrariamente al pulsante di cancellazione del display 1, che serve soprattutto per la correzione dei codici inseriti in maniera errata, con questo pulsante si cancella la richiesta di comunicazione dell'inquilino il cui codice è in quel momento visualizzato.
>>	Pulsante per la visualizzazione dei codici in memoria. L'asterisco indicherà in ogni caso il numero che ha la precedenza, anche se il portiere, a sua discrezione, potrà trasmettere qualsiasi codice presente in memoria.
Λ_1	Pulsante di chiamata 1. Premendo questo pulsante si trasmette il codice presente sul display 1. Se sul display 1 non è presente un codice, il pulsante non attiva la chiamata.
Λ_2	Pulsante di chiamata 2. Premendo questo pulsante, si trasmette il codice presente sul display 2.
ON/OFF	Interruttore di accensione.
⇉•⇇	Pulsante di selezione per INTERCETTAZIONE (se viene attivata questa funzione, tutte le chiamate dai posti esterni arrivano al centralino).
⇄	Pulsante di trasferimento della comunicazione ai derivati interni.
•	Pulsante ausiliario (Aux).

CENTRALINO VPDM/100 PER IMPIANTI VIDEOCITOFONICI CON CHIAMATA CODIFICATA

È costituito dal centralino VPD/100 con monitor da 4" incorporato. E' munito di 2 cavi multipolari lunghi 1,70 m con spine per il collegamento rapido ad altrettante prese.

In aggiunta ai comandi e segnalazioni del modello VPD/100 (fig. 1) è munito anche di (fig. 2):

VPD/100 DIGITAL SWITCHBOARD FOR SYSTEM 100 VIDEO ENTRY INSTALLATIONS WITH CODED CALL

The newly designed digital switchboard allows the entire operation of video entry installations to be supervised from a central location by a porter.
In fact it performs as a standard telephone switchboard.
The VPD/100 shown in fig. 1, is made up of a basic unit incorporating the handset and the control keyboard. It is provided with a 1.70 metres multi-core cable with plug for rapid coupling to the socket.
The VPD/100 has the following controls and indicators (fig. 1):

1 Green plastic insert, when illuminated indicates VPD/100 is switched ON.

2 Yellow plastic insert, when illuminated indicates VPD/100 is in INTERCEPT mode.

3 Display 1. 8-digit alphanumeric display showing codes keyed in by the porter and, when the switchboard is in mode INTERCEPT, codes entered and called from the entry panel.

4 Display 2. 8-digit alphanumeric display showing codes of tenants calling the porter. The first two digits on the left indicate stored called waiting to be attended – max. 20 –. The asterisk indicates calls are returned automatically in the entered sequence.

5 Alarm indicator 1 (PANIC).

6 Alarm indicator 2 (ALARM).

7 Cradle switch actuator.

0 ÷ 9 Keys for inputting codes.

C1 Button to cancel display 1.

C2 Button to cancel display 2. Contrary to the display 1 cancel button – which cancels wrong entered codes – this button cancels codes of tenant that have called the porter.

>> Button to scroll stored codes. The asterisk indicates calls are returned in the entered sequence. The porter may, at his discretion, by-pass the sequence and choose the code to be attended first.

Φ_1 Call button 1. This button transmit the code shown on display 1, if no code is shown the call will not be activated.

Φ_2 Call button 2. This button transmit the code shown on display 2.

ON/OFF Main switch button.

⇉•⇇ INTERCEPT mode button, when this function is activated all calls addressed to flats from the entry panel are routed to the switchboard.

⇄ Button to transfer calls to flat receivers.

• Push button for auxiliary services (Aux).

VPDM/100 DIGITAL SWITCHBOARD FOR SYSTEM 100 VIDEO ENTRY INSTALLATION WITH CODED CALL

VPD/100 version with 4" flat tube monitor. It is provided with two 1.70 metres multi-core cables with plugs and sockets for rapid coupling. In addition to the features of the VPD/100, it has, figure 2:

8 Thumb-wheel for brightness control.

9 Green LED, can be used to indicate an external function.

10 Yellow LED, can be used to indicate an external function.

▭ Button to bring the monitor live and manual sequencing of any additional cameras. This feature is operating only if the VPDM/100 is in mode intercept or called from an entry panel.

Stairs light button. This feature is operating only if the VPDM/100 is in mode intercept or called from an entry panel.

Door lock release button. This feature is operating only if the VPDM/100 is in mode intercept or called from an entry panel.

• Push button, can be used for auxiliary services (Aux 1).

: Push button, can be used for auxiliary services (Aux 2).

USING THE SWITCHBOARD

Press the ON/OFF button to turn on the VPDM/100, the green plastic insert illuminates (no. 2 figure 1) to indicate the switchboard is ready to operate. There are 2 operation modes, DIRECT and INTERCEPT.

Signalling of VPDM/100 operation modes

The VPDM/100 operation mode is indicated on the BPT series 100 monitors – except VM/110 – by the green and yellow LED.
a) No lit LED: VPDM/100 is turned off.
b) Green LED lit: VPDM/100 is on service and free to receive calls.
c) Yellow LED lit: VPDM/100 is engaged.
If above signalling are not required, the relevant wires shown in the diagrams are not required and should be disregarded.

DIRECT mode

Callers can converse directly to tenants from the entry panel. If the entry panel is provided with a button dedicated to call the porter, then the visitors can also communicate with him.
Calls from entry panels are signalled with an acoustic signal, the monitor is turned on and the word PORTER is shown on display 1.
To attend the call it is sufficient to lift the handset, when the handset is replaced the VPDM/100 switches back automatically to DIRECT mode. Should the porter – whilst in communication to the entry panel – need to contact a tenant he can do so by first entering the relevant code, then pressing button.
The porter can switch back to the entry panel audio line by simply pressing once the cradle switch actuator, no. 7 figure 1, or transfer the call to the tenant pressing Φ_1 button. In this instance the display shows the word ENGAGED.

INTERCEPT mode

Press ⇉•⇇ button on the VPDM/100, the yellow plastic insert illuminates (no. 2 figure 1). In mode INTERCEPT all calls made from the entry panel are routed to the switchboard. The tenant's code is shown on display 1, the monitor is turned on and the electronic tone call activated. To attend the call it is sufficient to lift the VPDM/100 handset.
The porter, whilst in communication to the entry panel, can call a tenant by pressing Φ_1 button.
Naturally the entry panel audio line is automatically put on HOLD, the tenant can see the visitor on his monitor. Whilst conversing with the porter in full secrecy.
The porter can switch back to the entry panel audio line by simply pressing once the cradle switch actuator (no. 7 figure 1) or transfer the call to the tenant by first pressing the ⇄ button on VPDM/100, then replacing the handset.
The conversation time between the entry panel and flats can be preset from 30 ÷ 90 seconds.
When the tenant has replaced the handset on the cradle or after the preset time has elapsed the VPDM/100 returns automatically to mode INTERCEPT and the word ENGAGED on entry panel is turned off.
A call made from the entry panel, whilst the porter is engaged in a conversation with a tenant, activates the monitor and the code entered is shown on display 1. The porter can attend the entry panel call by simply depressing once the cradle switch actuator (no. 7 figure 1).

Calls between switchboard and flats
To call a flat from the switchboard, lift the handset, enter the code and press Φ_1 button.
To attend a communications request the porter should press Φ_2 button.
In multi-block installations, it may happen that a call is addressed to an engaged block. In this instance the indicator ENGAGED on display 1 illuminates and the code remains in memory.
To enable the tenants to recognized from where the call is made the switchboard tone is different of the entry panel one.
When the handset is replaced on cradle, the code on VPDM/100 display is cancelled.
While the conversation is in progress, the ENGAGED signal is sent out to the entry panels.
If several communication requests are received from the monitors the VPDM/100, can store them in the memory and the numbers of the calls awaiting to be dealt with are shown on display 2.
When the asterisk is shown, the calls will be returned in the entered sequence. The porter, by pressing >> button, can scroll the codes in memory and at his own discretion can bypass the automatic sequence and give priority to any stored call. The porter can also cancel stored code by pressing **C2** button.
The call volume can be regulated at the switchboard by a potentiometer accessible through a slot in the housing bottom.
If a camera in installed in the porter's lodge, the tenant will see the porter when conversing to him.

Alarms
VPDM/100 is provided with 2 emergency indicators, namely PANIC and ALARM. When the monitor is equipped with alarm facility and the alarm line is activated, the monitor code is displayed on VPDM/100 and indicator panic or alarm lights up. In addition the alarm code generates a continuous acoustic signal different from that following a call. The alarm status can only be reset attending the call.
The alarm code override any other ones that may be registered in memory.

FUNCTIONS PROGRAMMING
VPDM/100 is provided with 8 dip-switches for programming the functions required by the video entry systems, table 1. The dip-switches can be reached from the VPDM/100 bottom.

Call acknowledge
VPDM/100 is protected against possible code misreading. A code before is acknowledged should be read at least 4 consecutive times – dip-switch 2 to position ON – or 8 times with dip-switch 2 to position OFF.

Identification of entry panel calling the porter
In video systems with only one entry panel a call addressed to the porter is identified on display 1 with word PORTER – dip-switch 3 to position ON – figure 1.
In video systems with more entry panels the one calling the porter will be identified on display 1 by the followed by 156 number assigned (max. 2 digit) – dip-switch 3 to position OFF, table 1 –.

Multi-block call mode
In multi-block video installation dip-switch 4, table 1 should always be set to position OFF. The code – max. 5 digit – is made up of block code – 0 ÷ 80 – and receiver code – 0 ÷ 155 –.
Codes 157 - 161 are for auxiliary services only.

Progressive call mode
Progressive call mode require dip-switch 4 set to position OFF, table 1.
The available codes are 0 ÷ 12.536. The codes reserved to auxiliary services only are 78000 ÷ 78161, 79000 ÷ 79161, 80000 ÷ 80161.

Call tone duration
The duration of time for which the code is transmitted to the receivers may be varied by means of dip-switches 5 and 6, table 1. VPDM/100 is supplied factory set to 1 second – dip-switches 5 and 6 both to position ON –.

Language
VTD/100 can be programmed by means of dip-switches 7 and 8 to following languages – Italian, English, German, French – see table 1.

Technical features
Handset module
- Two slow fuses type T 500mA located into the handset base.
- Potentiometer to regulate the call volume, accessible through a slot in the housing bottom.
- Supply voltage: 5V DC, 15V DC.
- Aux: normally open switch, when actuated the contact close to -0V DC.
- Working temperature range: from 0°C to +35°C.
- Dimensions: 195 x 230 x 75 mm.

Monitor module
- Screen: 4" (10 cm).
- Supply voltage: 12V DC ±1V, 380mA.
- Horizontal resolution: 450 lines.
- Frequency: H= 15,625 Hz, V= 50 Hz.
- Video signal input: 1Vpp on 75 Ohm.
- Brightness control.
- Aux 1 and Aux 2: normally open switches, when actuated the contact closes to -0V DC.
- Working temperature range: from 0°C to +35°C.
- Dimensions: 115 x 230 x 75 mm.

Monitor turn off
The VPDM/100 monitor is normally turned off by pressing the door lock release button.
Disconnect the jumper, accessible from the VPDM/100 bottom, to have the monitor turned off automatically by the system timer (30 to 90 seconds).

Function of socket VPM/243 terminals

1	
2	
3	
4	
5	–0V DC
6	switchboard on
7	call from entry panel
8	audio to switchboard
9	audio from switchboard
10	engaged to switchboard
11	common call to switchboard
12	call from flat
13	handset
14	intercept 1
15	intercept 2
16	output for call repeater
17	alarm input 1 (PANIC)
18	alarm input 2 (ALARM)
19	alarms output
20	monitor switched on (max. 50mA)
21	Aux (max. 24V DC, 50mA)
22	call to flat
0	]
+5	] supply voltage to switchboard
+15	]

Function of socket VPM/120 terminals

1	video signal	] 75 Ohm closing resistance if
2	video signal shield	] video line stops here
3	video signal	
4	video signal shield	
5		
6		
7		
8		

9
10
11 Aux 1 (max. 24V.DC, 50mA).
12 Aux 2 (max. 24V DC, 50mA)
13 green LED
14 yellow LED

Tab. 1

FUNCTIONS		DIP-SWITCHES							
		1	2	3	4	5	6	7	8
SWITCHBOARD CALL A CKNOWLEDGE	4	X	●	X	X	X	X	X	X
	8	X	○	X	X	X	X	X	X
IDENTIFICATION CALL TO SWITCHBOARD	PORTER	X	X	●	X	X	X	X	X
	BLOCK + 156	X	X	○	X	X	X	X	X
CALL	BLOCK	X	X	X	●	X	X	X	X
	PROGRESSIVE	X	X	X	○	X	X	X	X
CALL DURATION	1"	X	X	X	X	●	●	X	X
	2"	X	X	X	X	●	○	X	X
	4"	X	X	X	X	○	●	X	X
	8"	X	X	X	X	○	○	X	X
LANGUAGE	ENGLISH	X	X	X	X	X	X	●	●
	ITALIAN	X	X	X	X	X	X	●	○
	GERMAN	X	X	X	X	X	X	○	●
	FRENCH	X	X	X	X	X	X	○	○

● = ON ○ = OFF X = NOT IMPORTANT

D INSTALLATIONSANLEITUNG

PFÖRTNERZENTRALE VPD/100 FÜR VIDEO-SPRECHANLAGEN MIT CODIERTEM RUFSYSTEM

Diese Zentrale bildet vergleichbar zu einer Telefonzentrale das Filter und Vermittlungselement für die Gespräche zwischen den Besuchern und den Bewohnern eines Hauses.
Eine Reihe von Funktionen von der Wohnung zur Zentrale und umgekehrt sichern den regulären Ablauf und bieten einen hohen Komfort für die Hauskommunikation in einer organisierten Gemeinschaft.
Die Zentrale, siehe Abb. 1, besteht aus einem Grundmodul mit Hörer und Tastenfeld und ist mit einem mehradrigen Kabelsatz von 1,70 m sowie Systemstecker ausgestattet.
Funktionen und Anzeigen (Abb. 1):

1 Grüne LED: Betriebsanzeige der Zentrale.

2 Gelbe LED: Funktionsanzeige, Zentrale im VERMITTLUNGSMODUS.

3 Display 1: achtstelliges alphanumerisches Display für die Anzeige der vom Pförtner eingegebenen- und von der Außenstelle angerufenen Codenummern in Vermittlungsmodus sowie sämtlicher Betriebsinformationen.

4 Display 2: achtstelliges alphanumerisches Display für die Rufanzeige von der Innenstellen zum Pförtner. Die ersten beiden Zahlen links zeigen die Anzahl der gespeicherten Anrufe, (max. 20) in der Warteschlange an. Ein Sternsymbol kennzeichnet den Anruf mit Vorrang.

5 Alarmanzeige 1 (PANIC).

6 Alarmanzeige 2 (ALARM).

7 Hörertaste.

0 ÷ 9 Tasten für die Codeeingabe.

C1 Löschtaste für Display 1.

C2 Löschtaste für Display 2.
Im Gegensatz zur Löschtaste des Display 1, die vor allem der Korrektur von falschen Eingaben dient, wird mit dieser Taste der Ruf der Innenstellen quittiert bzw. gelöscht.

>> Taste zur Anzeige der gespeicherten Code-Nummer. Die mit einem Sternsymbol gekennzeichnete Nummer hat Vorrang, wobei der Pförtner unabhängig davon eine andere gespeicherte Rufnummer abrufen kann.

Λ_1 Ruftaste 1. Beim Drücken dieser Taste wird der auf dem Display 1 angezeigte Code angerufen. Soweit kein Code vorhanden ist wird kein Ruf aktiviert.

Λ_2 Ruftaste 2. Beim Drücken dieser Taste wird der auf dem Display 2 angezeigte Code angerufen.

ON/OFF Einschalttaste.

⇉•⇇ Wahltaste für den VERMITTLUNGSMODUS (Bei Freigabe dieser Funktion werden alle Anrufe von der Außenstelle an die Zentrale geleitet).

⇄ Taste für die Vermittlung des Gesprächs an die internen Teilnehmer.

• Zusatzfunktionstaste (Aux).

PFÖRTNERZENTRALE VPDM/100 FÜR VIDEO-SPRECHANLAGEN MIT CODIERTEM RUFSYSTEM

Besteht aus der Zentrale VPD/100 mit eingebautem 4" Monitor, Kabelsatz 1,70 m sowie Stecker und Wandsteckdose. Zusätzlich zu den Funktionen und Anzeigen des Modell VPD/100 (Abb. 1) bestehen folgende Bedien- und Funktionsmöglichkeiten:

8 Kontrastregler für den Monitor

9 Grüne LED für Zusatzanzeigen.

10 Gelbe LED für Zusatzanzeigen.