826 DIGITAL ENTRY SYSTEM

INSTALLATION DIAGRAMS

ISSUE 2 10-1-92

STATUS ELECTRONICS LIMITED
LINK HOUSE
LOUGHTON
ESSEX

081-502-0136

STANDARD WIRING KEY

1.5 Dia SINGLE EARTH WIRE

30 WIRE .5Dia MULTIPAIR CABLE

4 WIRE 0.5 Dia MULTIPAIR CABLE

8 WIRE .5Dia MULTIPAIR CABLE

URM70 COAXIAL CABLE

2.5 Dia TWIN FACILITY SUPPLY

1.5 Dia TWIN MONITOR SUPPLY

20 WIRE .5Dia MULTIPAIR CABLE

12 WIRE 0.5 Dia MULTIPAIR CABLE (BT1308PJS 0.6)

RG.59 SURVEILLANCE CAMERA CABLE

40 WIRE .5Dia MULTIPAIR CABLE

826 Door entry System

This booklet covers the installation of all variations to the 826 system starting with the basic Urmet equipment and ending with the full complement of Status parts.

The basic Urmet equipment comprises the front panel with Anodised aluminium panel or the Urmet digitiser for use where manual systems are required (ie One call button for each flat). A basic power supply to which a separate unit must be added if installing a video system. A basic Switchboard which allows for concierge operation, providing call interception and re-routing capabilities. A four way decoder module for mounting in riser cupboards. The system supports standard Urmet telephones or video apartment units, no provision is allowed for privacy timers, indicators or door monitoring. It should also be noted that the standard Urmet entrance panels provide only a very short pulse upon lock release, either special lock solenoids have to be used or an additional lock timer unit provided.

To improve the versatility of this basic equipment Status Electronics produce a range of additional equipment. This starts with a lock release timer unit to allow for standard magnetic releases of all kinds (fail safe fail secure etc). Digital front panels are manufactured to the usual Status specifications (Stainless steel, Vandal proof buttons etc) and incorporate the extra circuitry required to control conventional lock releases and to provide door monitoring capabilities. Manual Vandal proof panels can be produced as required. Power supplies incorporating all circuitry for door monitoring, Timed services access and video control are also available. These power units also have the additional advantage of providing terminal connections for up to three entrance panels, the riser connections and if fitted, the switchboard connections. To complement this the Urmet four way encoder module facilities are enhanced to provide the required terminals and supplies to run the complete range of telephones incorporating door monitoring, privacy timers and video systems.

From the following pages, choose the drawings that match the type of installation that you are undertaking. If you are uncertain as to exactly which drawings you require or cannot find appropriate drawings then please contact your supplier who will furnish you with all drawings BEFORE YOU COMMENCE INSTALLATION. It is far better to be certain of this before starting than to find that you have not installed sufficient cables or equipment part way through the job.

Commissioning

If you are undertaking the commissioning of the equipment yourself then please read this information carefully as it will assist you with the commissioning of the installation. Again should you be unsure of anything please contact Status Electronics who will be pleased to provide technical advice.

It is a good idea to connect the riser to only one decoder initially in order that any faults on the riser do not prevent operation of the panels and power supply. Once the panel and power supply have been checked the system can be checked to the first four flats prior to connecting the rest. In this way it will be easier to trace any faults that may be present.

Before switching on the power for the first time, double check all electrical connections paying particular attention to the power supply mains input, riser and panel connections. Any mistakes with this wiring could cause irreparable damage to the equipment. If using Urmet power supplies please also check that the correct supply voltage has been selected (240 V).

Switch on the power and with a voltmeter check the supply voltage to the entrance panel(s) is 24 Volts (between -24 and +24).
Check for the same voltage on the riser terminals (-24 and +24). If the voltages are incorrect then the fault must be rectified before continuing.

Programming

Before the installation will function at all the equipment must be correctly programmed. Once you are happy with the connections proceed as follows. Note that if the system has a switchboard then it will not operate correctly without the switchboard.

Entrance panels

These units require programming in order to establish their position within a system (eg main entrance or landing panel), The length of busy period (for multi panel installations), Discrete or common lock release and Engineer access code.

Once programmed the set up will be retained even if the power is disconnected.

To initiate programming press the program button on the back of the encoder module. The LED will illuminate to show the panel is in the program mode and the main display will indicate 1 - 0 The 1 indicates the first program stage and the zero indicates the panel number. For most installations this should be left as zero even on landings. Setting a number other than zero causes the number entered to be prefixed with the panel number

This could be used if all flats called from a landing panel start with the same number. Select the desired number and press call to accept.

The display now shows 2 - 2 to indicate the second program stage has been reached. This stage sets the busy time for each panel in ten second steps before a call will be interrupted by a further call from a different entrance panel. This should generally be set for 50 seconds to provide a reasonable call duration without holding visitors waiting too long. Press the desired number (eg 5 for 50 seconds) then call to accept it.

The display will now show 3 - 0 indicating the third stage which is to set discrete lock release. A zero will allow lock release to be operated from any apartment at any time. A one ensures that only the flat just called can release the door. It is normal to select mode 1 for lock control and in the case of systems with more than one panel this must be set to 1. Press 1 (or zero) then call to accept it.

The display now shows 0000 indicating the final stage has been reached. This stage allows you to enter an access code that gives immediate lock release. Enter the desired number (up to 4 digits) or leave as all zeros if you do not wish to use this function and then press call to accept the code. To use this code first press zero, the secret number then press call. For security the numbers are not displayed when entered.

Programming of the front panel is now complete and the program led on the module should have extinguished. You can re-program the panel as many times as you wish by repeating the above procedure but you must go through all stages. All digital panels on the system must be programmed in a similar manner.

Decoder modules

There are two methods of programming these units, from the installed front panel or by connecting a panel module directly to the decoder. If you are working on your own the easiest method is to use the encoder module connected directly to the decoder using the jack lead provided plugged between the connectors on the Encoder and Decoder modules. The disadvantage of this method is that all flats will have to be tested separately afterwards to ensure correct operation of the lock release. If you have an assistant then you can by working together program the system using the installed front panel. Whichever method you choose proceed as follows.

Press the programming key on the Decoder module, The led should light. Enter the Flat number that is connected to the first decoder position on the front panel and press the call key. The decoder led will blink to indicate acceptance of the number. Enter the second flat number and press call to program the second decoder position and so on until all four flats have been programmed. Once all four locations have been programmed the program led will extinguish. If any decoder outputs are not being used skip over these by pressing the call button on the encoder without entering a flat number. Once the decoder is fully programmed call the four flats and check the speech and lock release together with any other facilities that may be provided for correct operation (Check picture if video system) before moving to the next Decoder.

Switchboard

The Urmet 826/8 Switchboard provides for basic concierge control. During day service the switchboard can be called by the apartment units, can call any apartment, or panel, release the doors and can be set to intercept all calls from entrance panels.
During night service all panel calls are routed directly to the appropriate apartment.

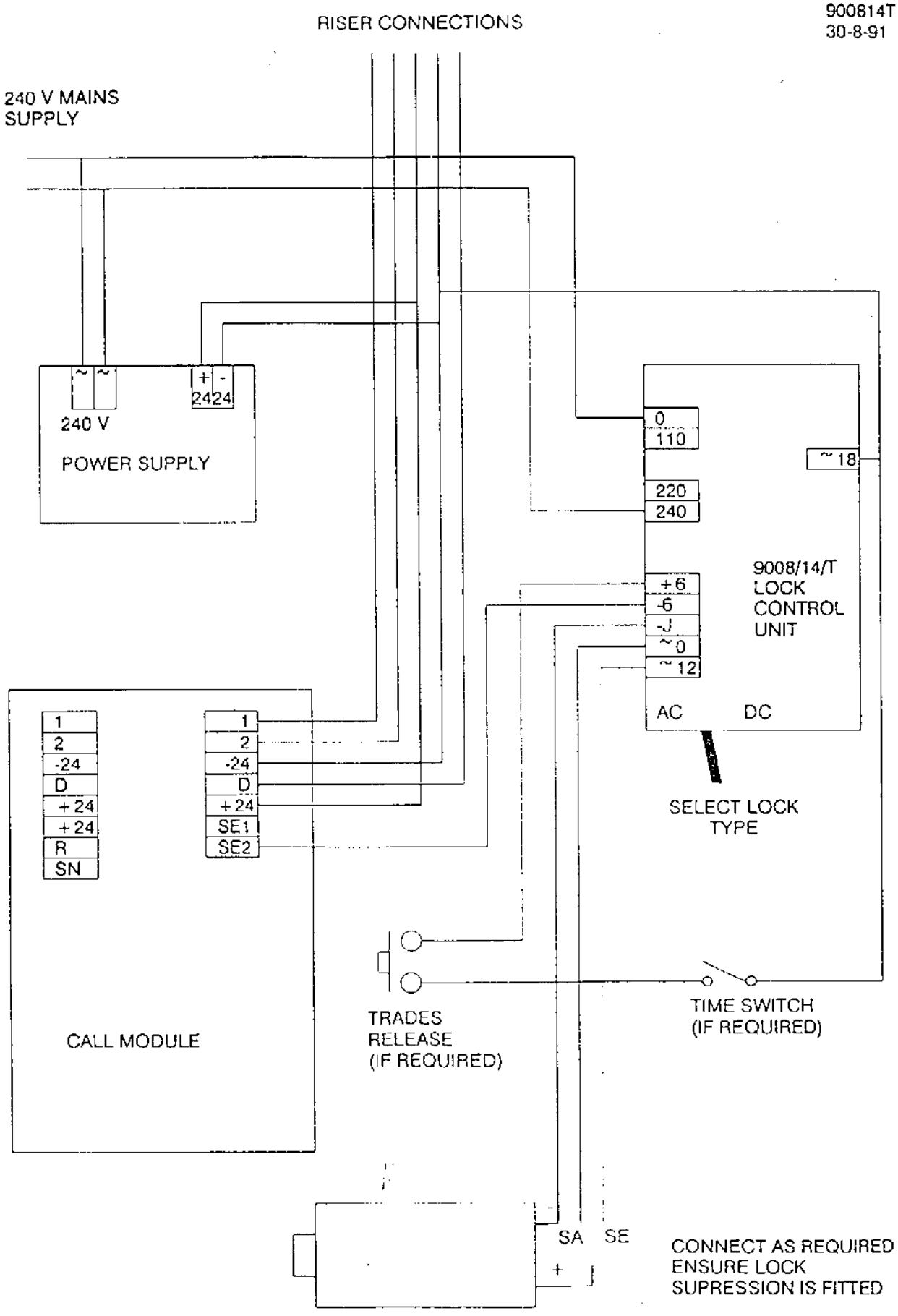
626 System equipment combinations

Part No	Description / Drawing scheme	A	B	C	D	E	F	G	H	I	J	K	L
826/1	Urmet entrance panel	*	*	*	*	*							
826FP	Status entrance panel						*	*	*	*	*	*	*
826/5	Urmet Power supply	*	*										
826PSU	Status power supply					*	*	*	*	*	*	*	*
826URMPSU	Status PSU for Urmet panel			*	*								
9008/14/T	Status Lock control for Urmet panel	*	*										
826/3	Urmet Decoder	*	*	*	*		*	*					
826MODEM	Status Decoder					*			*	*	*	*	*
1130	Standard Telephone	*		*			*		*				
1130N	Telphone with Nuisance		*		*			*		*			
1130NI	Telephone with Nuisance and Indicator					*					*		
1130NID	As above but with Door open lamp											*	
1130T	Telephone with Privacy timer Indicator and door open lamp												*

Scheme	Drawings to follow
A	900814T 826PSDE2 826DEAP1 826DEAP5
B	900814T 826PSDE2 826DEAP1 826DEAP5
C	826PSFP1 826PSFP2 826PSDE1 826PSDE2 826DEAP1 826DEAP5
D	826PSFP1 826PSFP2 826PSDE1 826PSDE2 826DEAP1 826DEAP5
E	826PSFP1 826PSFP2 826PSDE3 826PSDE3 826DEAP4 826DEAP5
F	826PSFP3 826PSFP4 826PSDE1 826PSDE2 826DEAP1 826DEAP5

CONNECTION DETAILS FOR URMET 826 SYSTEM FITTED WITH 9008/14/T LOCK CONTROL MODULE

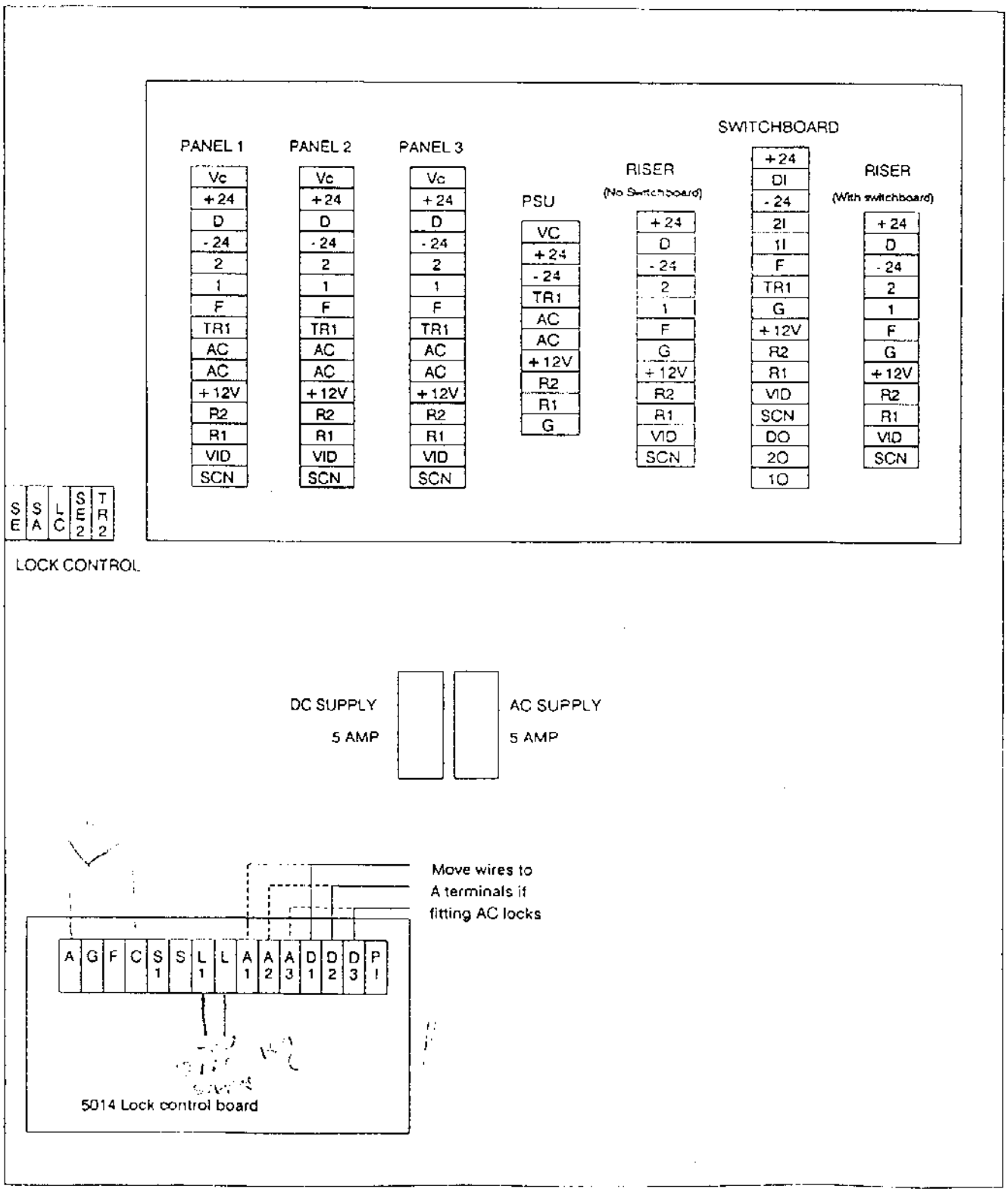
900814T
30-8-91



826PSU Urmet 826 System Power Supply

With additional Control for use with Standard
Urmet Entrance panels Internal Layout

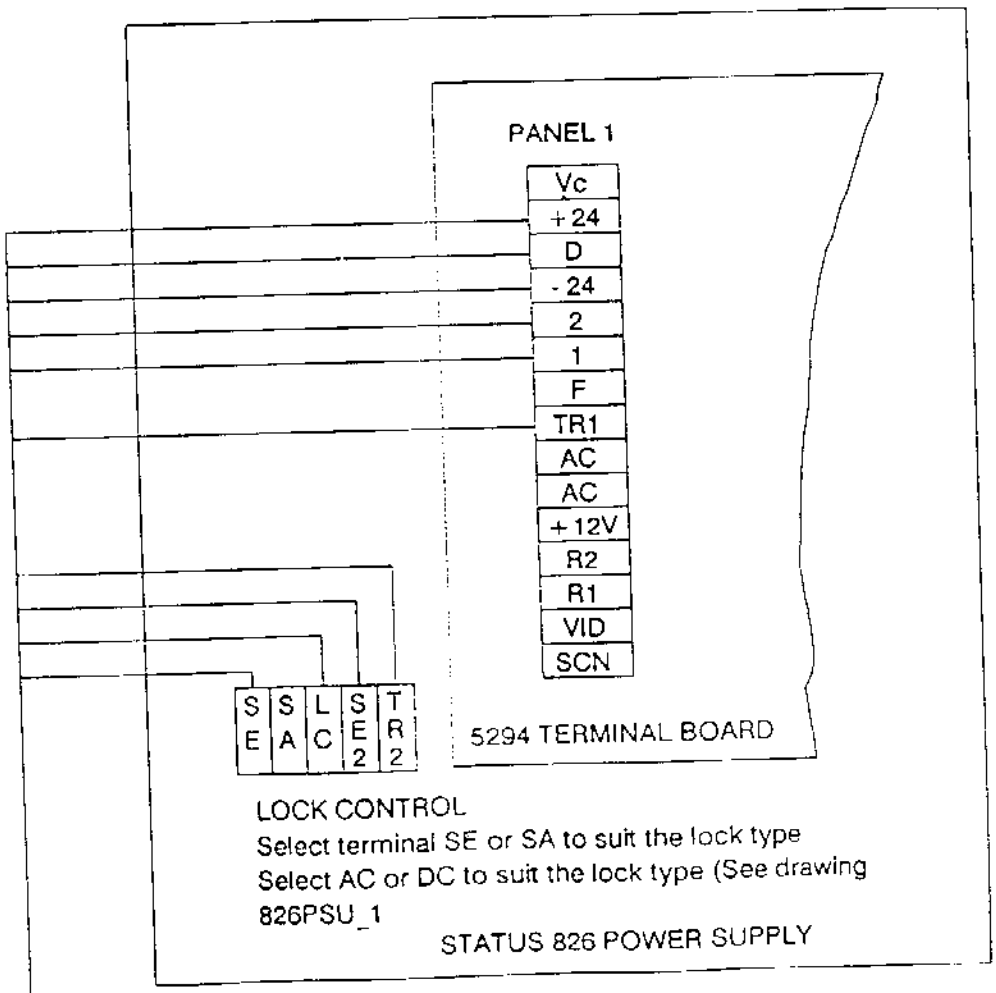
GMV
9-1-92
826PSU_1



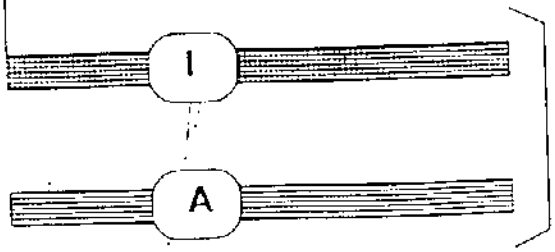
826PSU

Urmet 826 System Power Supply
Wiring Detail for use with Standard Urmet
826 Audio Front Panel

GMV
9-1-92
826PSFP1



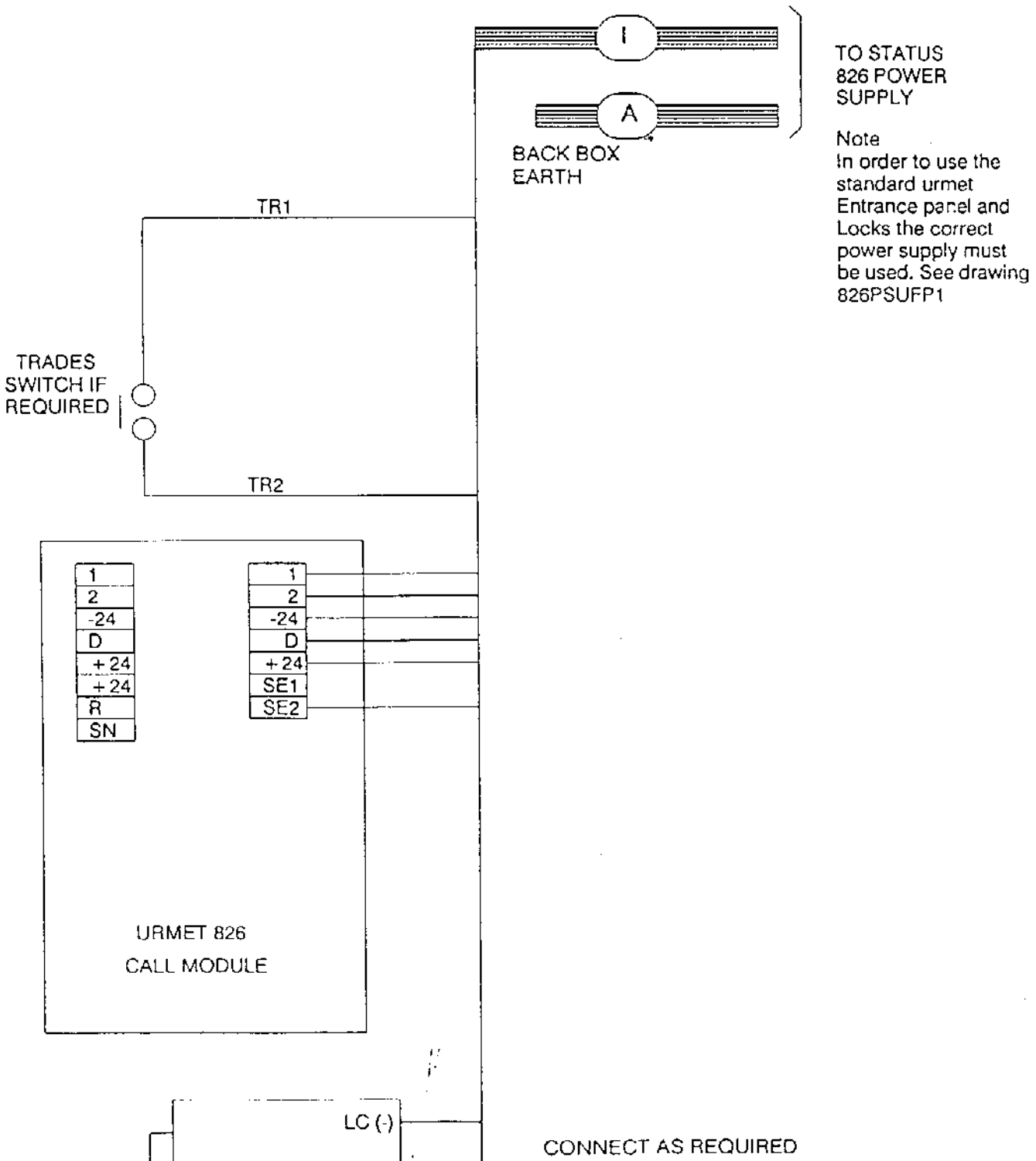
Note
The lock control circuit is only Designed to control a single entrance panel. If additional locks are entrances are required it is preferable to use Status entrance panels.



AUDIO 826

STATUS 826 System Power Supply
Wiring Detail for Standard Urmet
826 Front Panel

GMV
9-1-92
826PSFP2

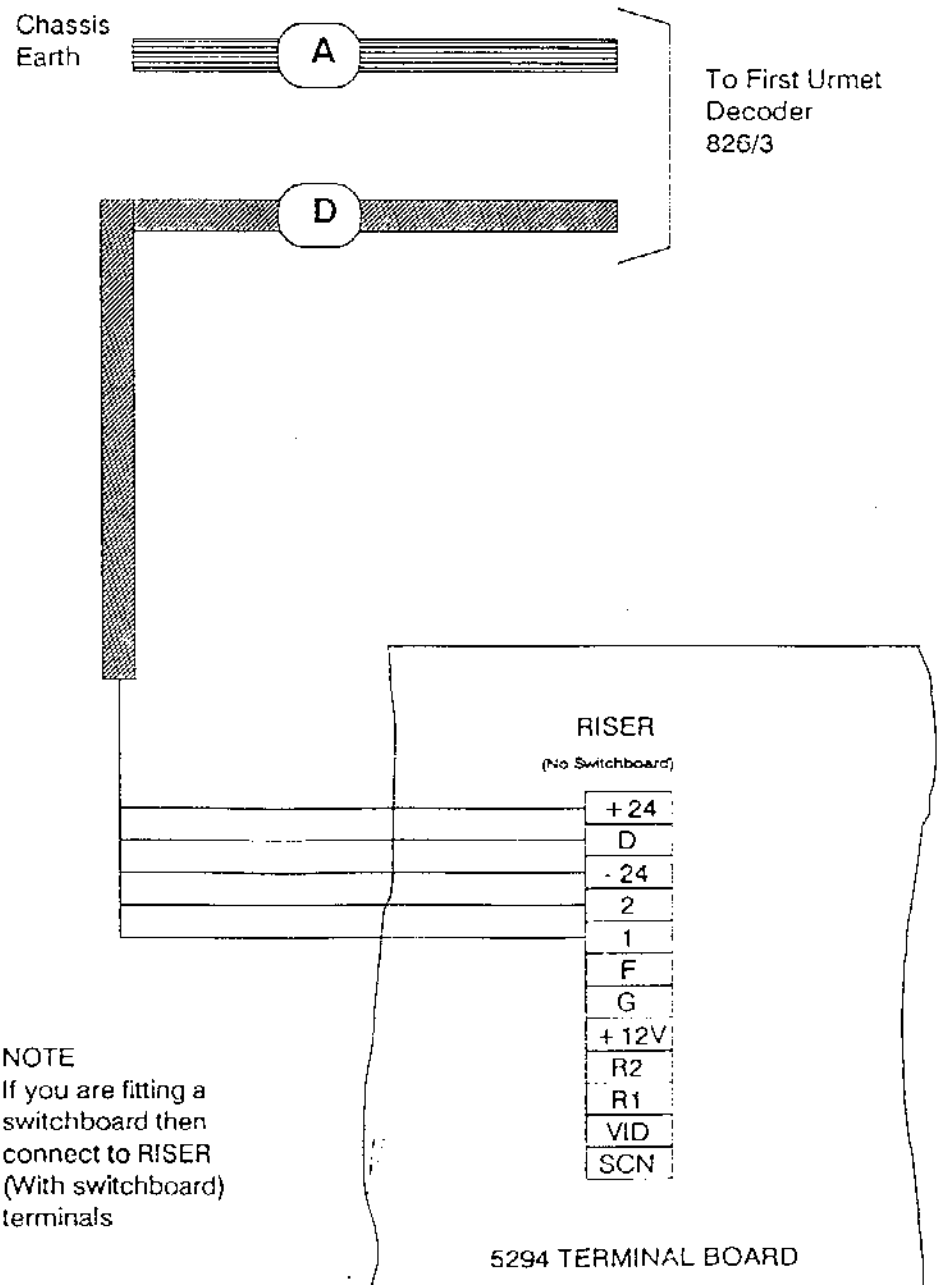


Note
In order to use the standard urmet Entrance panel and Locks the correct power supply must be used. See drawing 826PSUFP1

826PSU

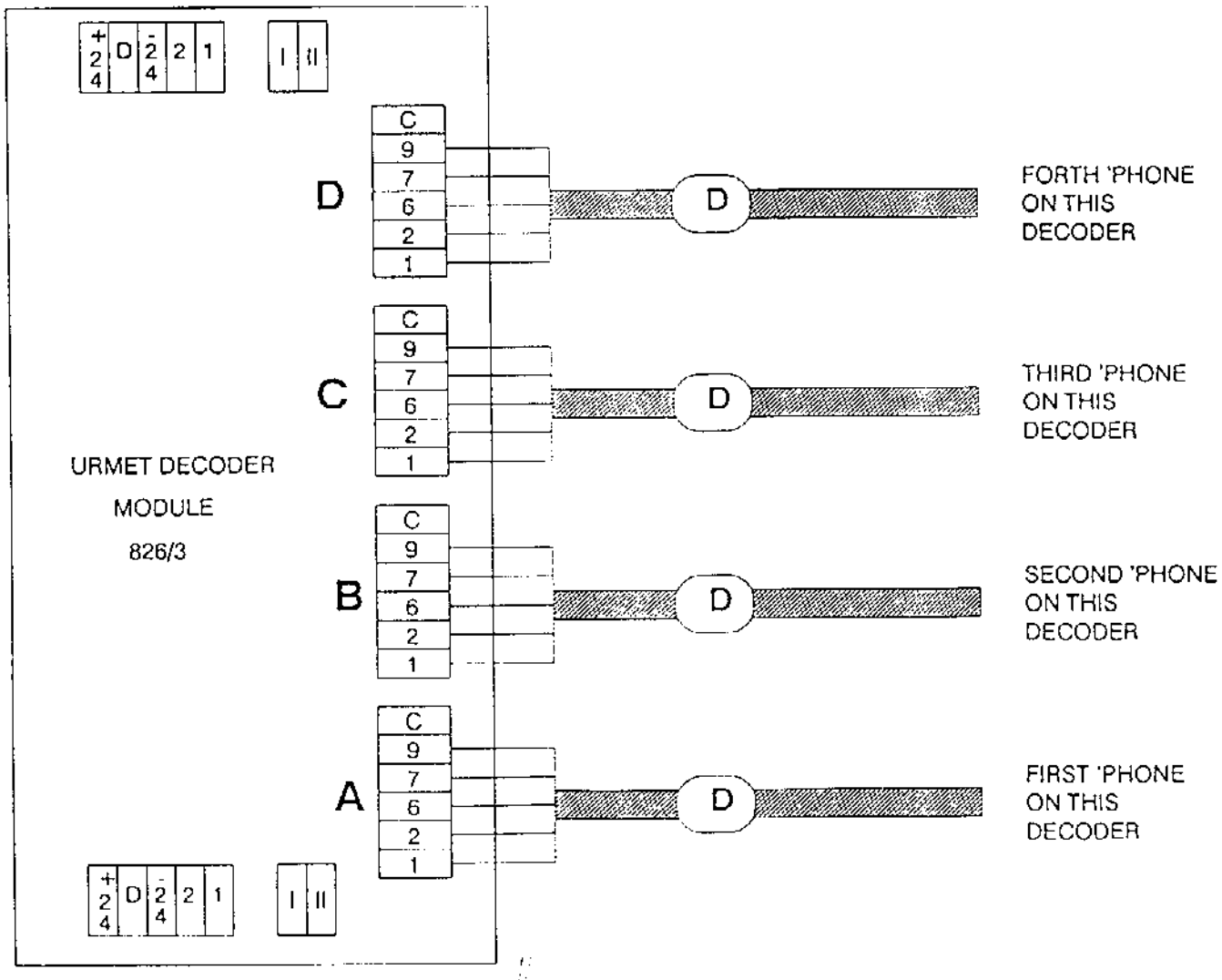
Urmet 826 System Power Supply
To Standard Urmet Decoder wiring Detail
Audio system

GMV
9-1-92
826PSDE1



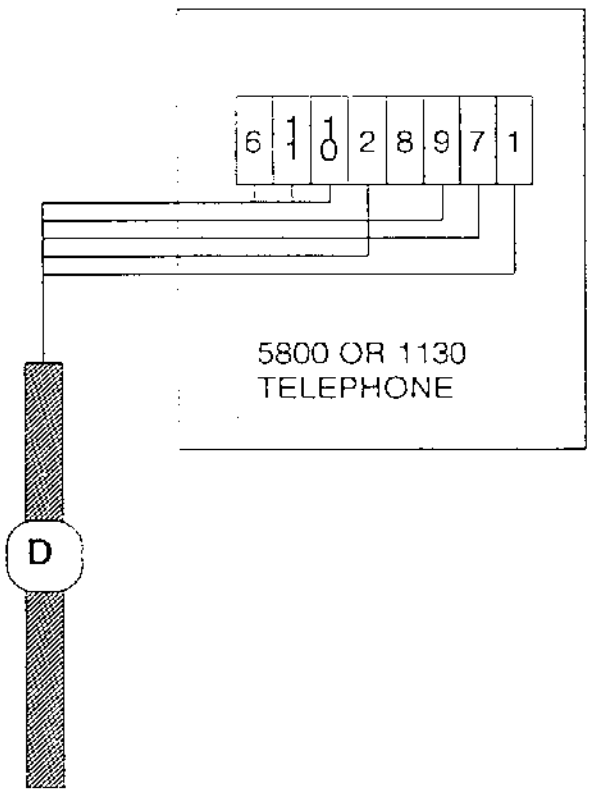
Urmet 826 System
Urmet Decoder to Standard Audiophone Wiring detail

GMV
9-1-92
826DEAP1



Urmet 826 System
Urmet Decoder to Standard Audiophone Wiring detail

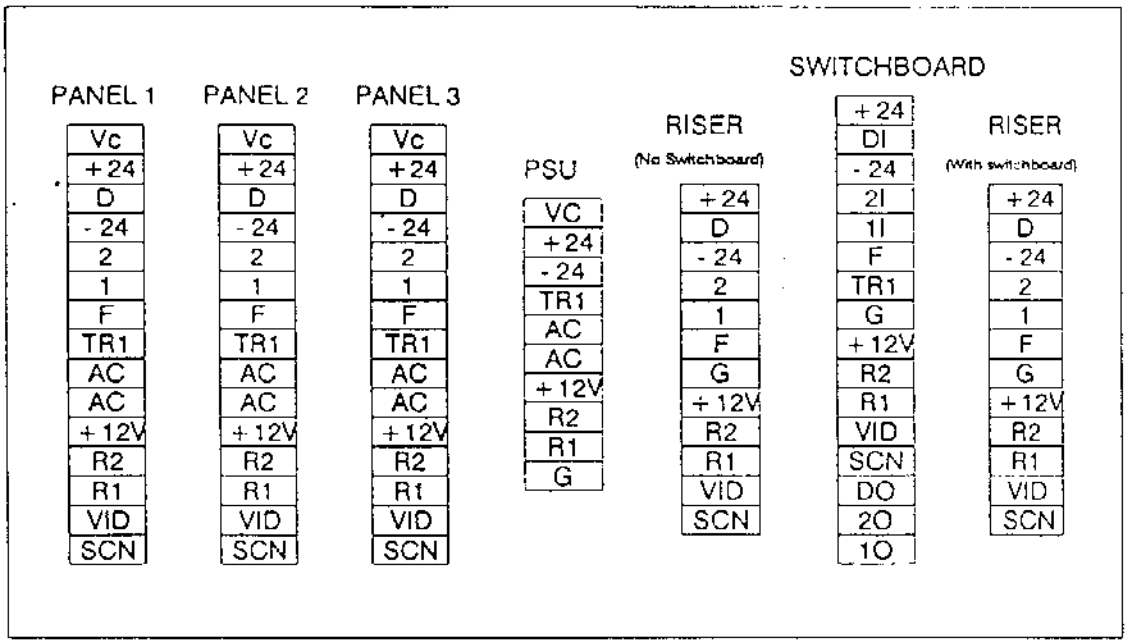
GMV
9-1-92
826DEAP2

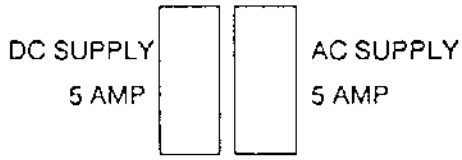


To Urmet 826/3
decoder

826 PSU Urmet 826 System Power Supply
Internal Layout

GMV
25-10-91
826PSU

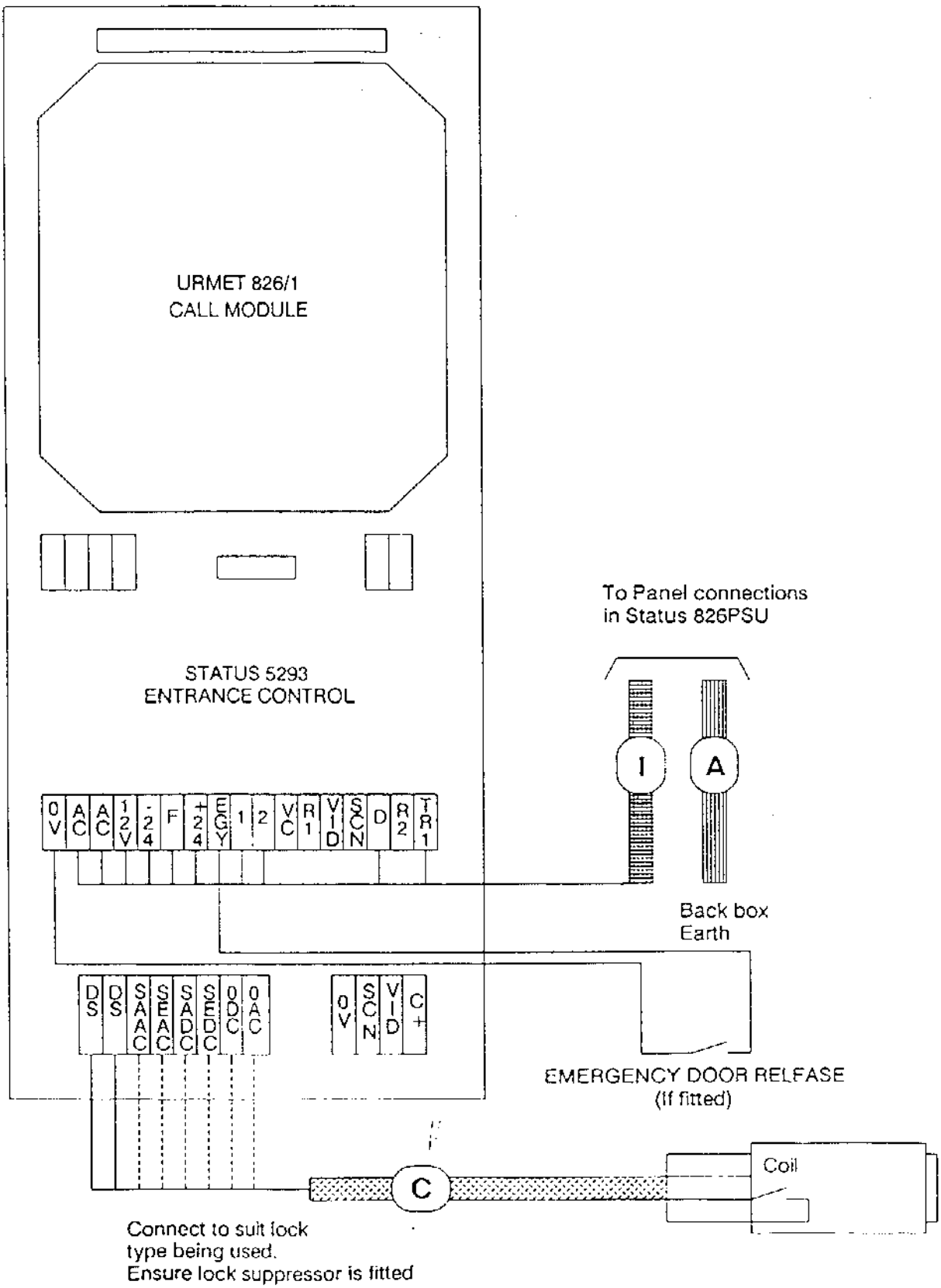




826 SYSTEM

Status 826 Entrance panel
Audio Panel to PSU Wiring Detail

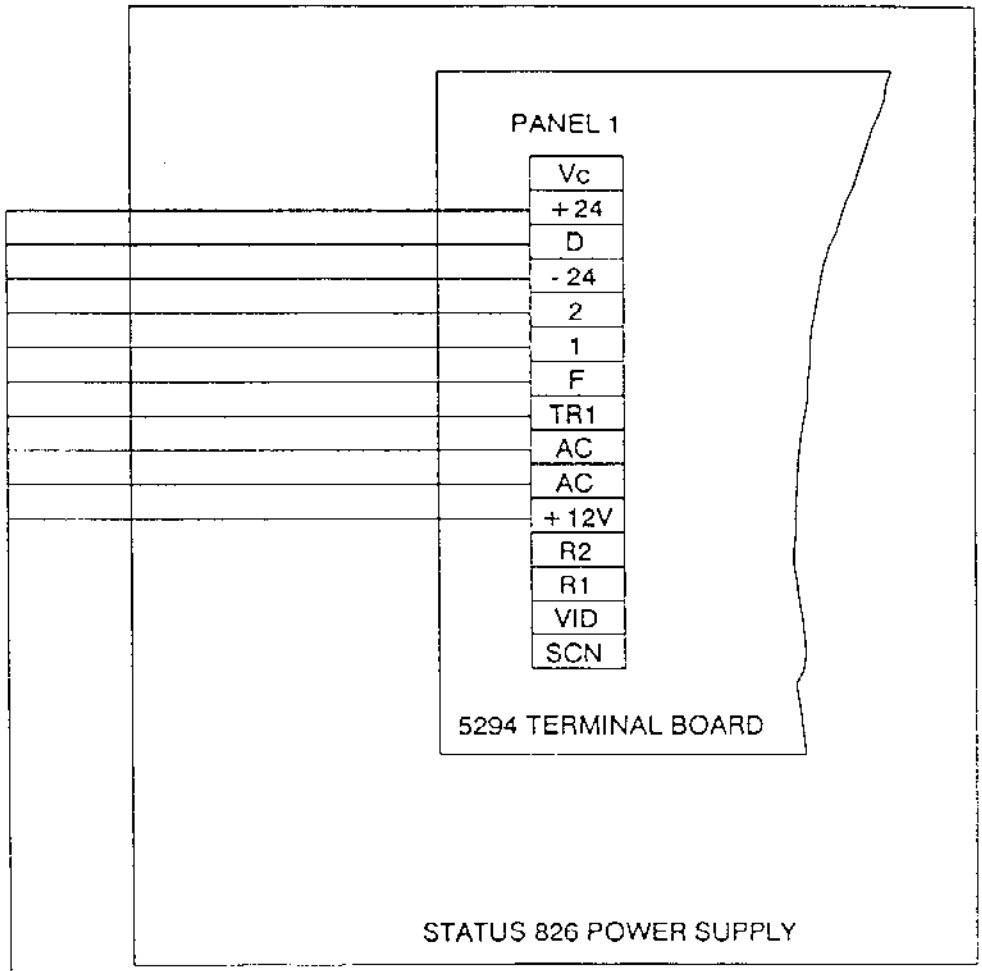
826PSFP3
9-1-92
GMV



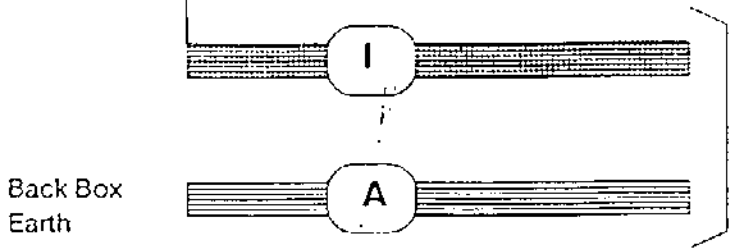
826PSU

Urmet 826 System Power Supply Wiring Detail for use with Status 826FP Audio Front Panel

GMV
9-1-92
826PSFP4



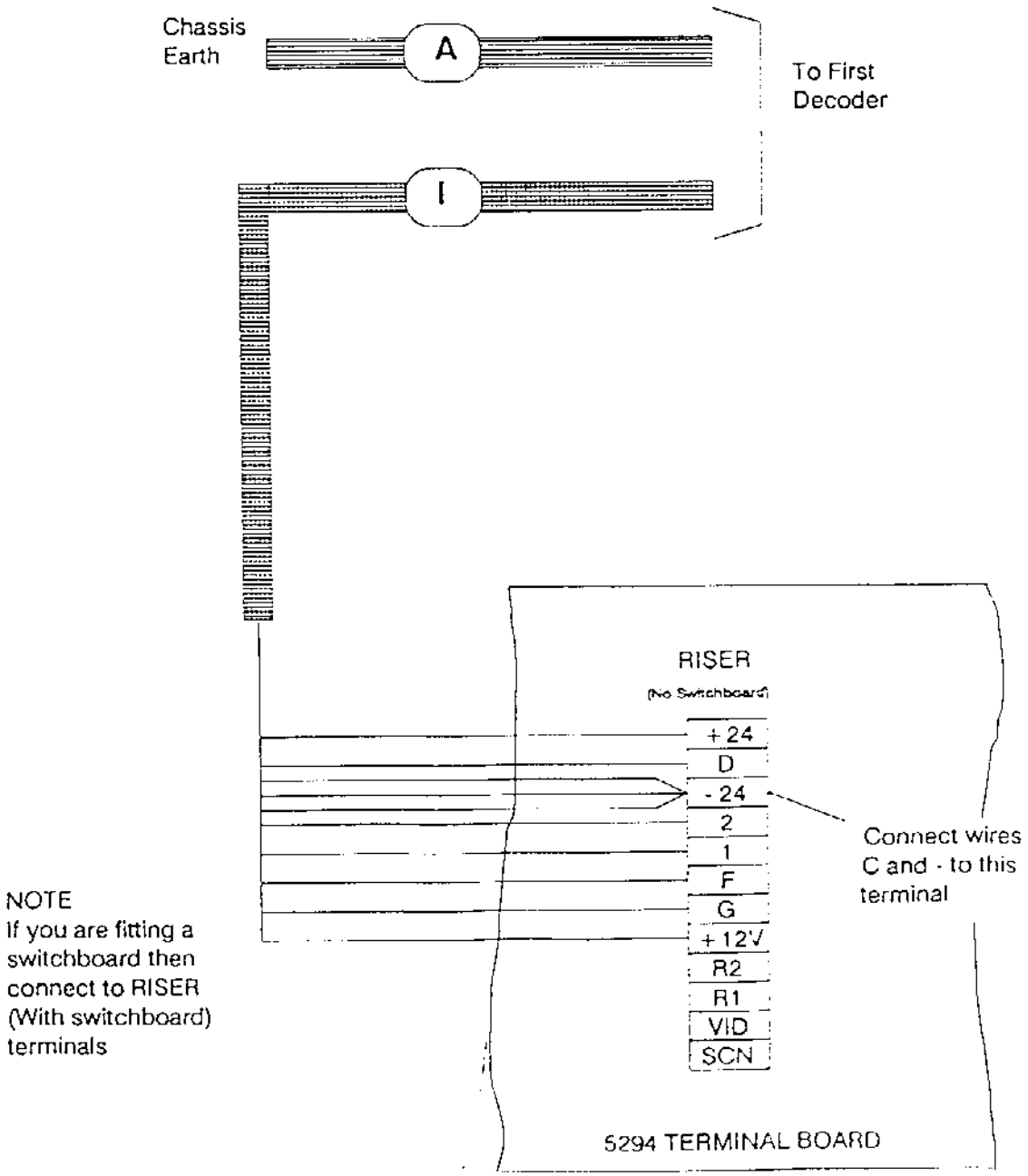
NOTE
Connect additional entrance panels
to Panel2 and 3 terminals.



826PSU

Status 826 System Power Supply
To Status Decoder wiring Detail
Audio system

GMV
9-1-92
826PSDE3

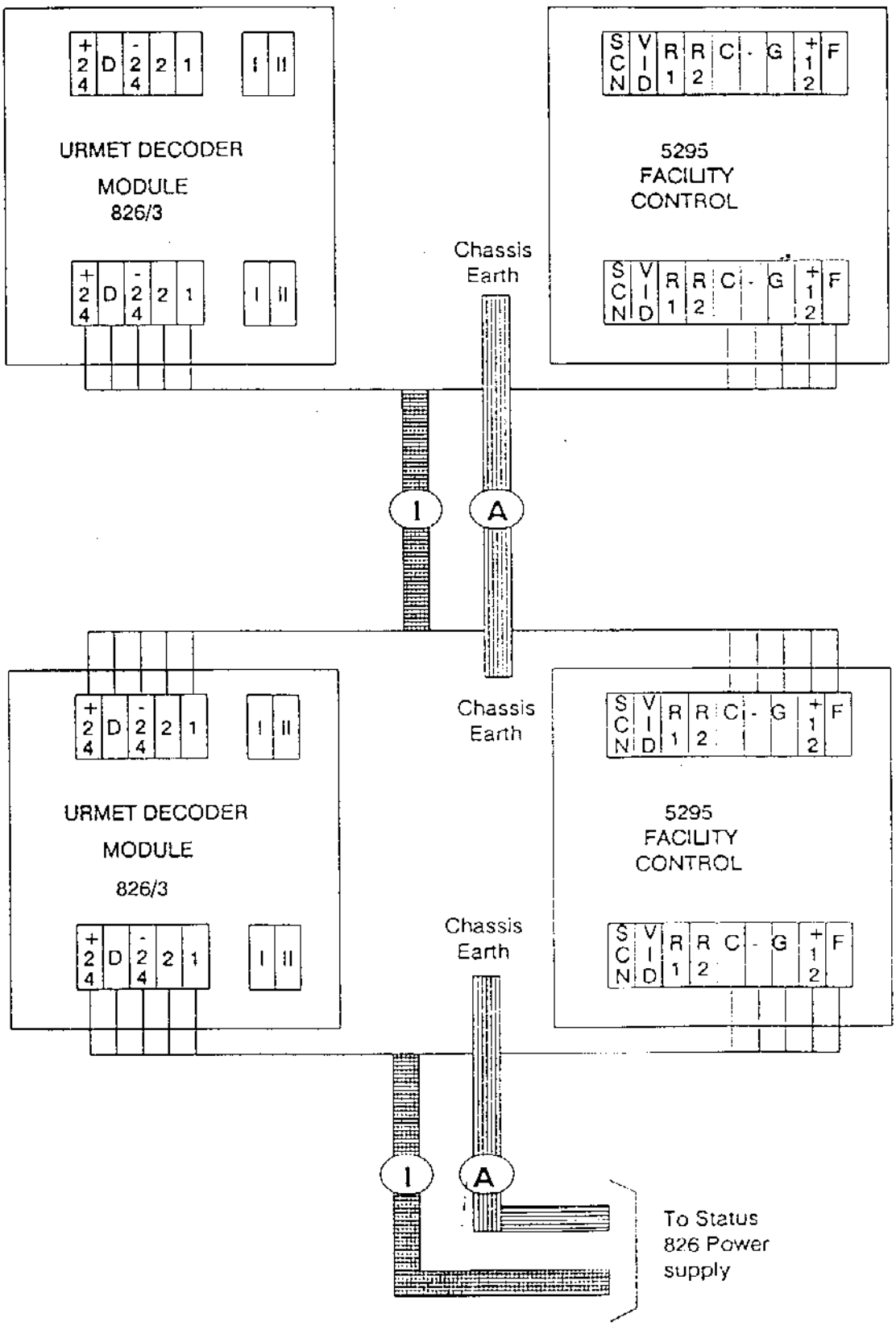


NOTE
If you are fitting a switchboard then connect to RISER (With switchboard) terminals

826PSU

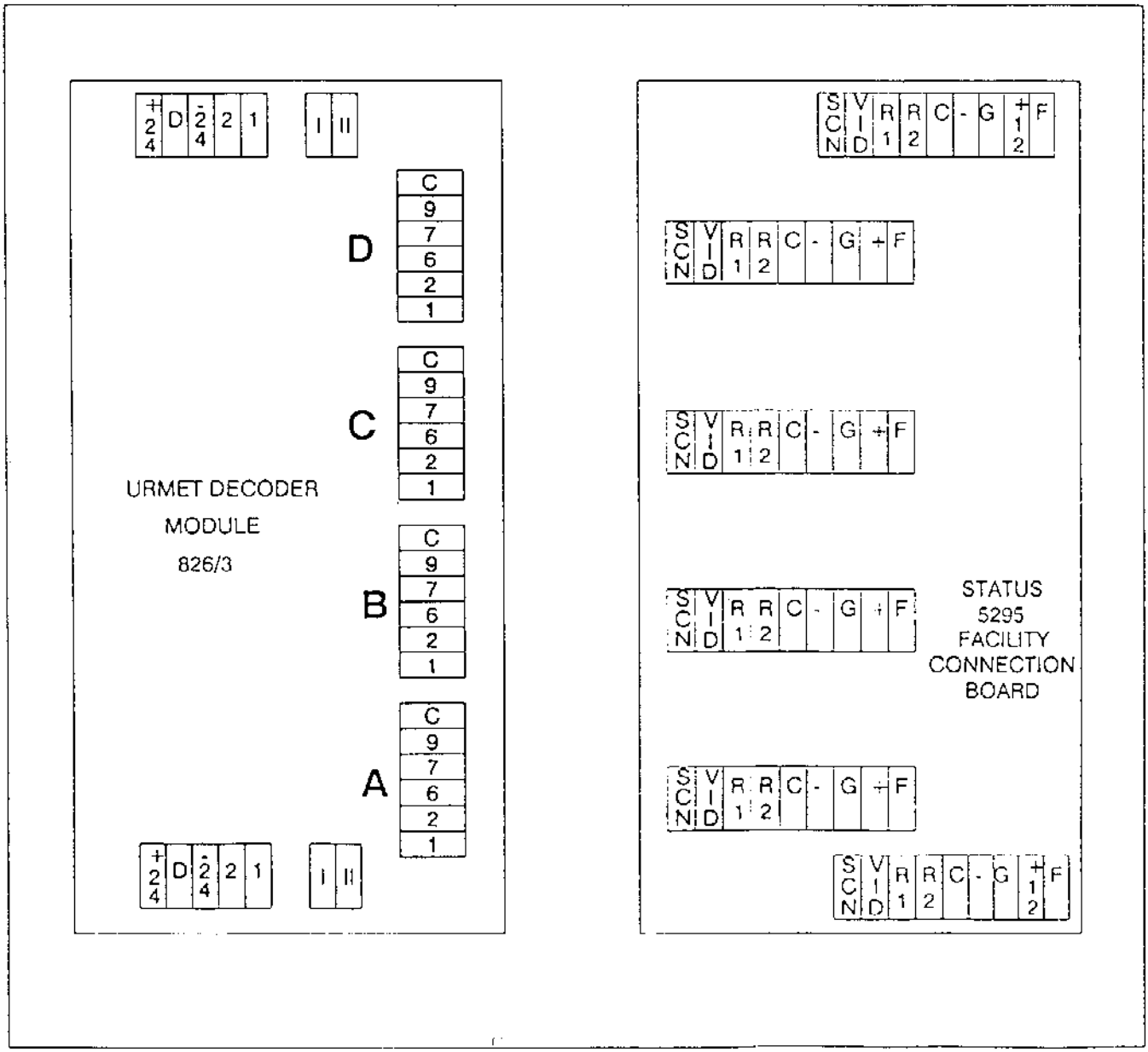
Status 826 System Power Supply
Standard Decoder wiring Detail
Audio System

GMV
9-1-92
826PSDE4



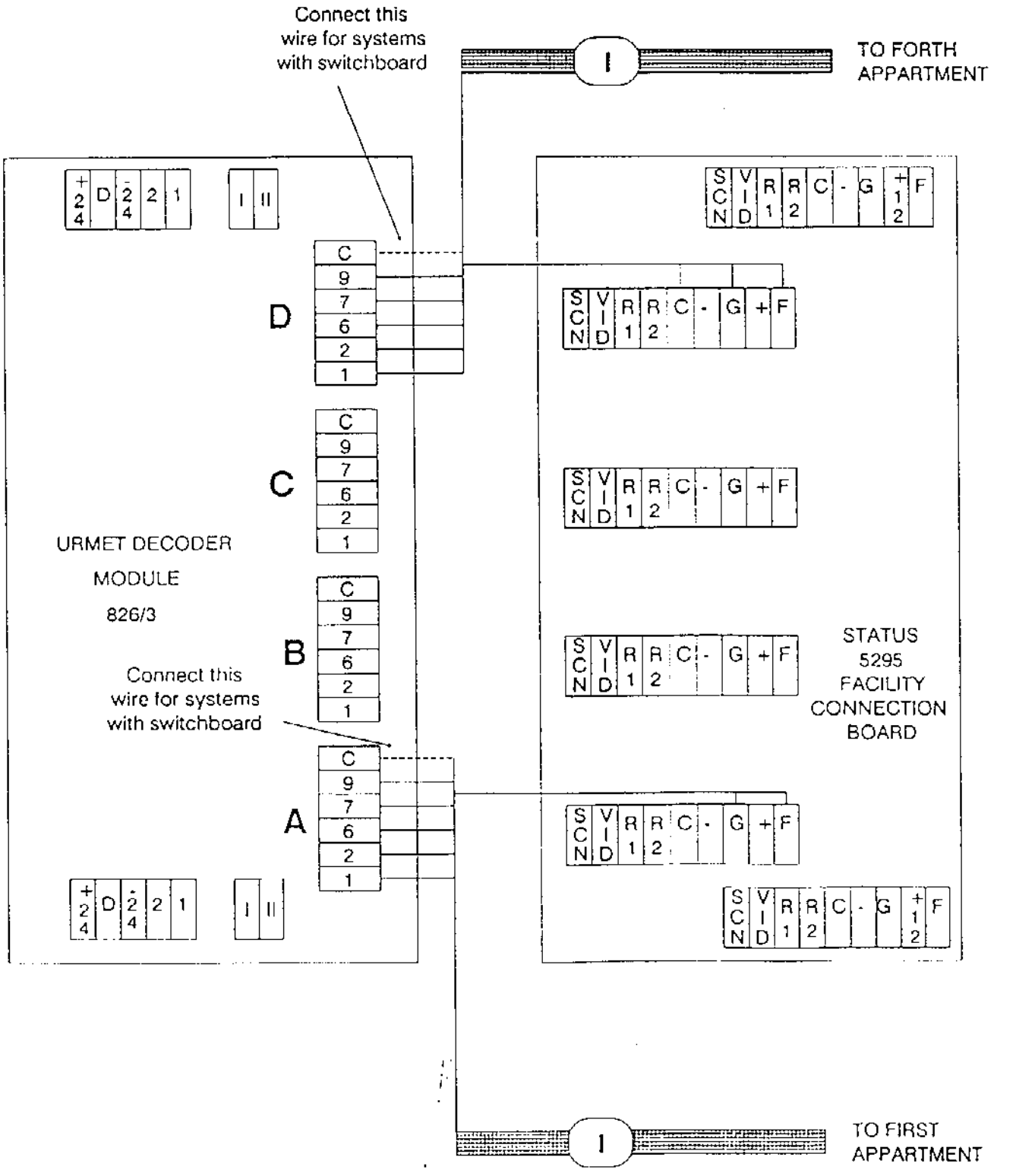
Status 826 System
Status Decoder Internal layout

GMV
9-1-92
826DEAP3



Status 826 System
Status Decoder to Appartment
Wiring Detail

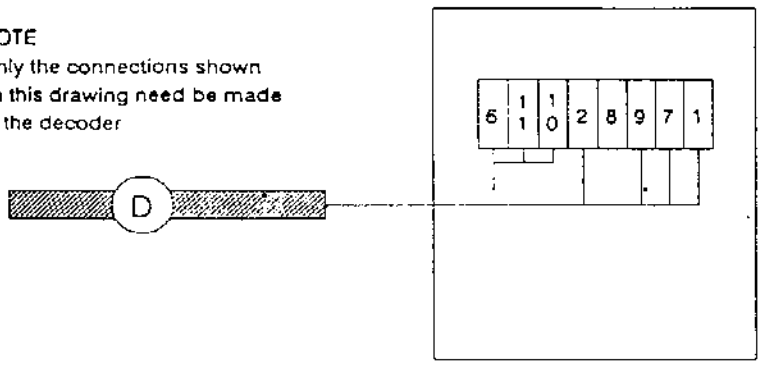
GMV
9-1-92
826DEAP4



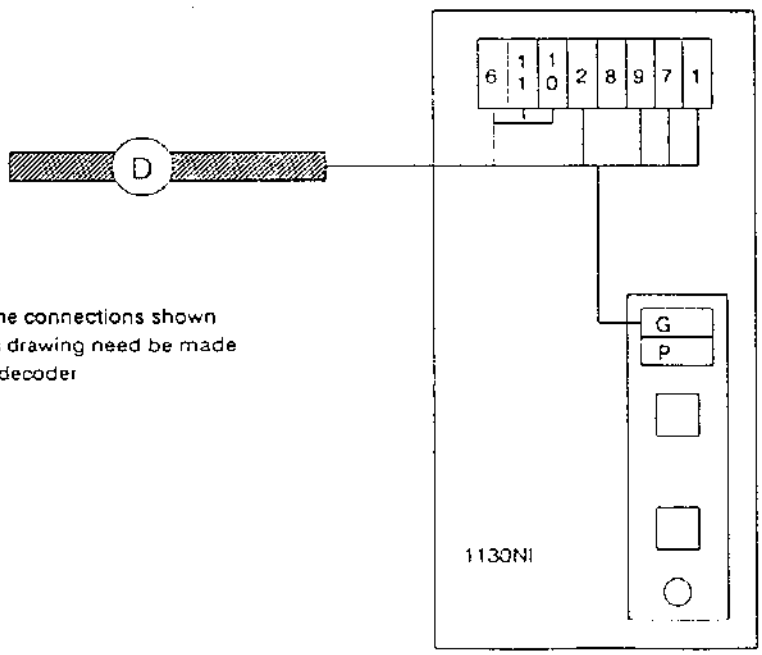
Urmet 826 System
Decoder to Audiophone Wiring details

GMV
9-1-92
826DEAP5

NOTE
Only the connections shown
on this drawing need be made
at the decoder



Wiring for Standard or N type phones

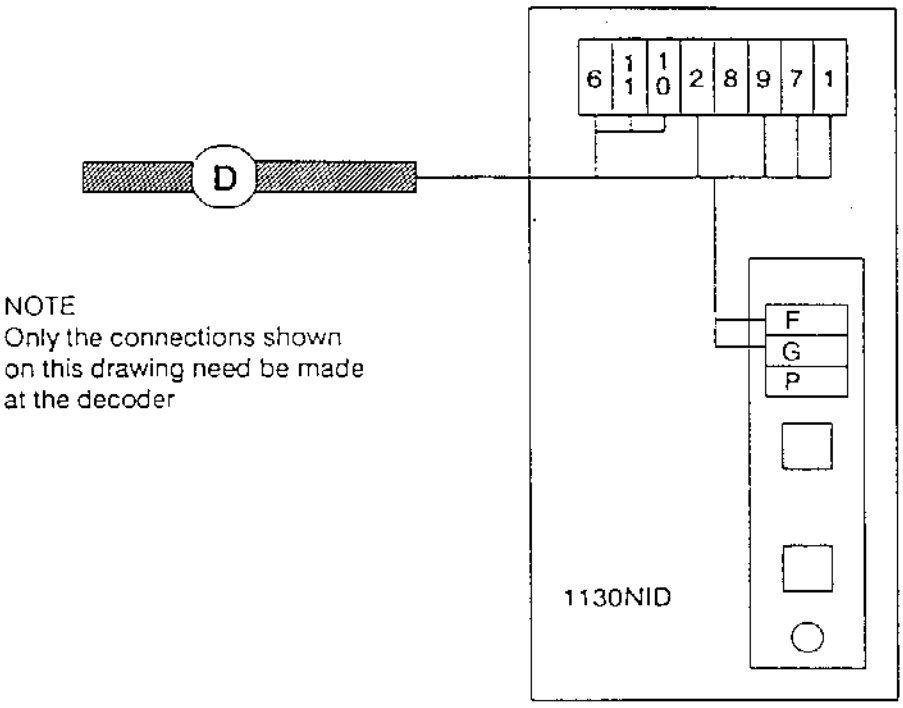


NOTE
Only the connections shown
on this drawing need be made
at the decoder

Wiring detail for 1130NI Phones

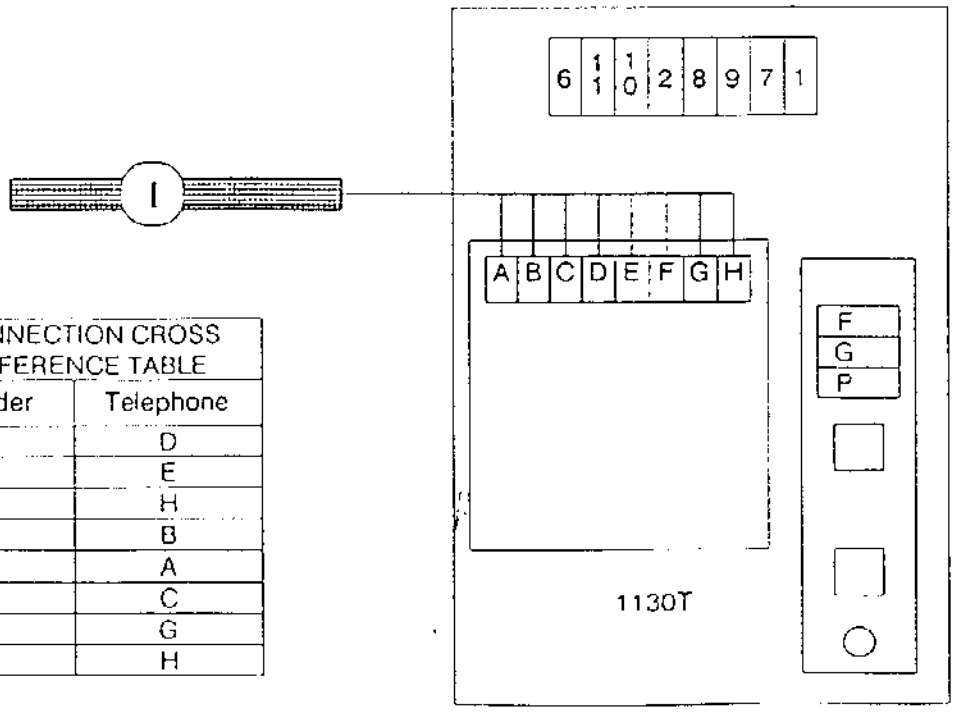
Urmet 826 System
Decoder to Audiophone Wiring details

GMV
9-1-92
826DEAP6



NOTE
Only the connections shown on this drawing need be made at the decoder

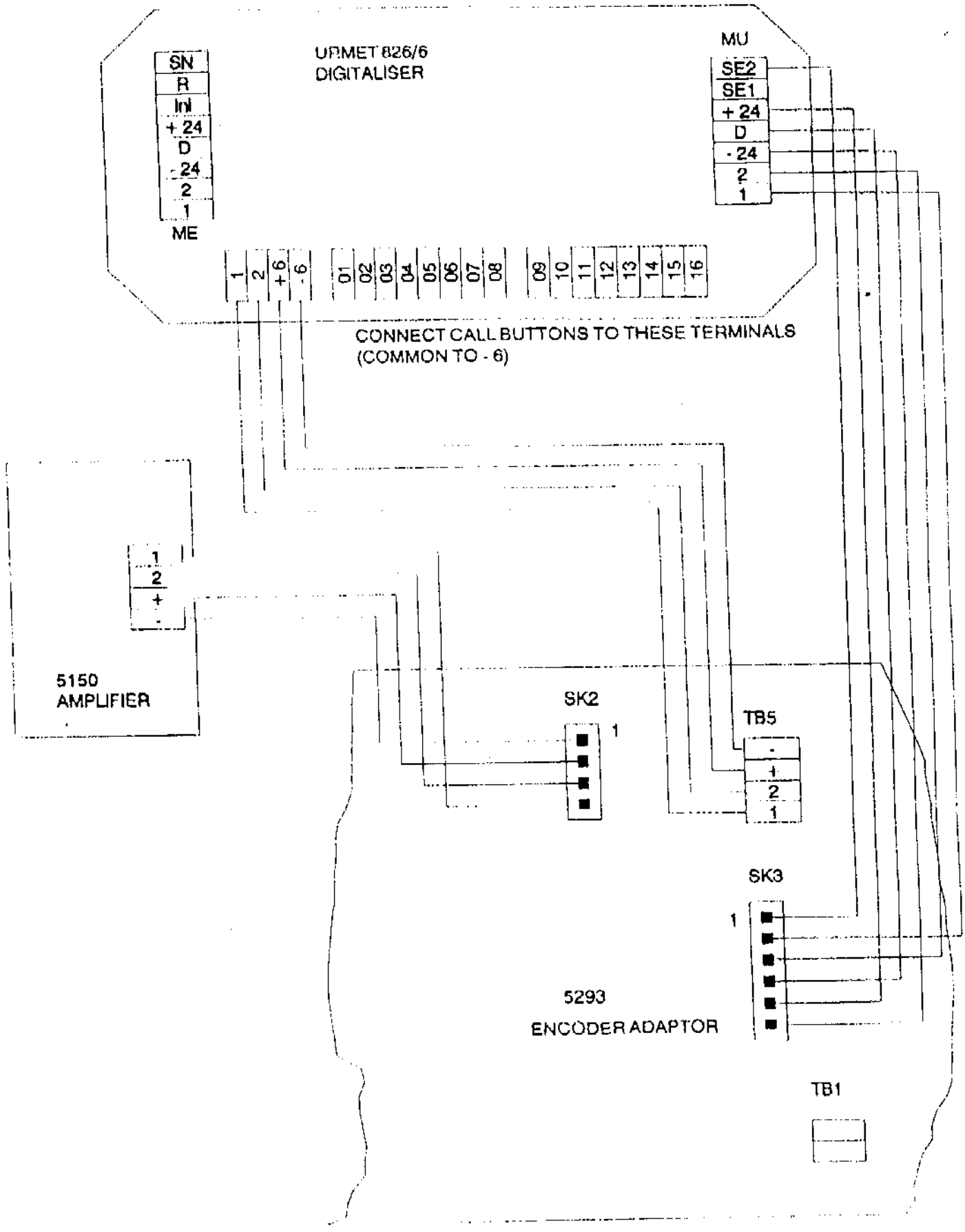
Wiring detail for 1130NID Phones



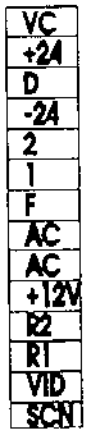
CONNECTION CROSS REFERENCE TABLE	
Decoder	Telephone
1	D
2	E
6	H
7	B
9	A
C	C
G	G
F	H

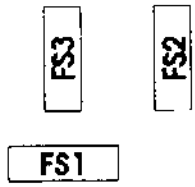
URMET 826 SYSTEM
WIRING DETAIL FOR 826/6 DIGITALISER
CONNECTED TO 5293 PANEL CONTROL BOARD

GMV
7-11-91

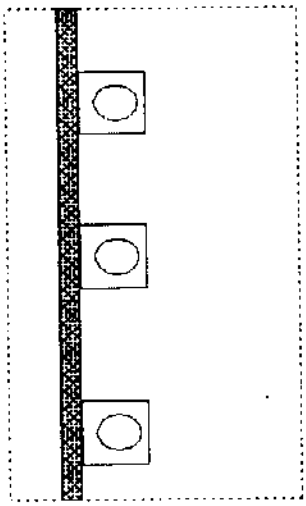


PCB5142 INVERTER BOARD





FS1 - 12 V AC I/P
FS2 - 24 V DC Battery Fuse
FS3 - 12 V DC Battery Fuse

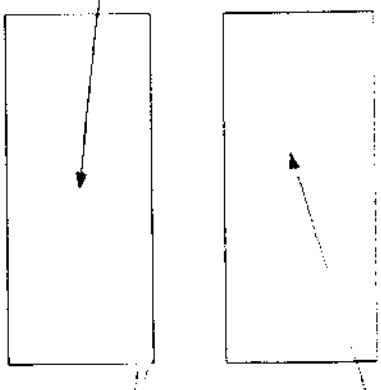


SET 24 V SUPPLY

SET 12 V SUPPLY

SET VIDEO SUPPLY

5 A 24V AC O/P

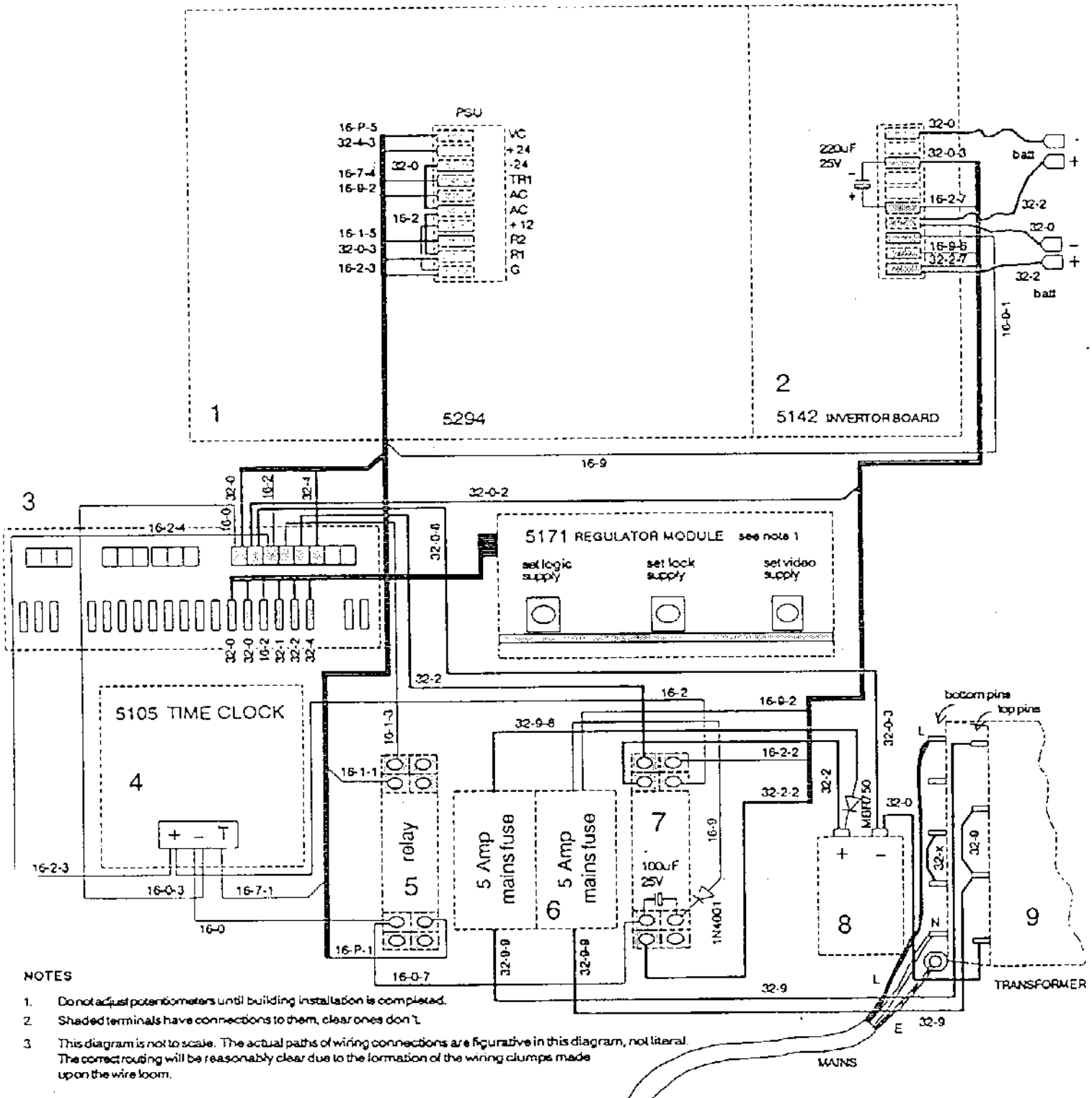


5 A 12 V AC O/P

STATUS ELECTRONICS LTD
26/6/92

AB826PSU/80 Complete Wiring Diagram

urmet microsystem standby power supply



NOTES

1. Do not adjust potentiometers until building installation is completed.
2. Shaded terminals have connections to them, clear ones don't.
3. This diagram is not to scale. The actual paths of wiring connections are figurative in this diagram, not literal. The correct routing will be reasonably clear due to the formation of the wiring clumps made upon the wire loom.

WIRE COLOUR CODE

0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET/PURPLE
8	GREY
9	WHITE
x	any PINK

WIRE SIZES

16	16/0.2	——
32	32/0.2	——

WIRE CODES

To make it easier to see which wires go where, some wire codes contain a destination number as well as the wire size and colour, eg. 32-4-3 is a yellow, 'thick' 32 wire, which is routed to cmponnt/board No. 3.

PM 06-05-92

SISTEMA DI CHIAMATA DIGITALE 2ª Edizione

DIGITAL CALL SYSTEM 2nd Generation

SYSTEME D'APPEL DIGITAL 2ème Génération

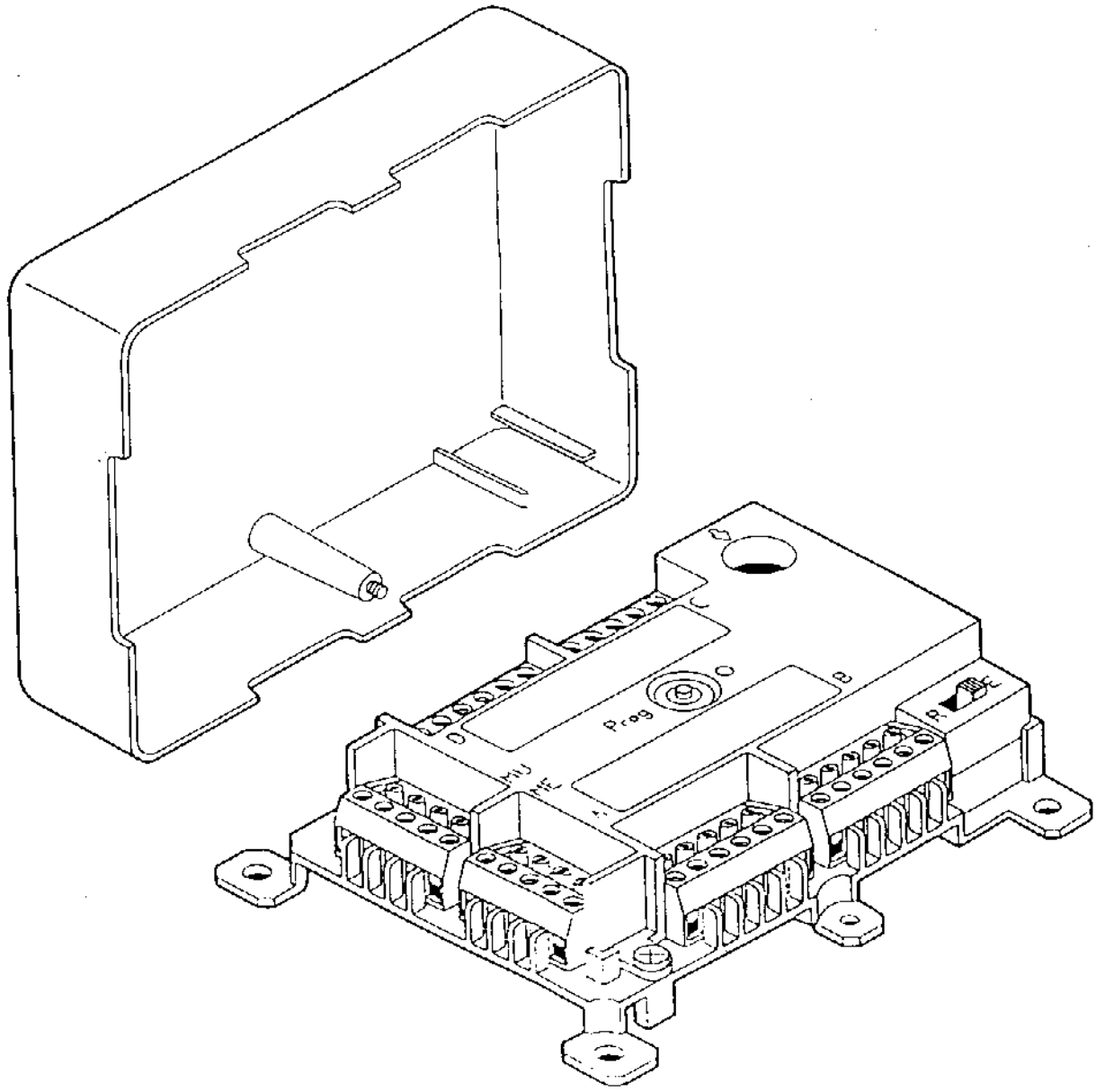
Mod. 826

DS 826-032 A

LBT 137

DECODIFICA 4 UTENZE
DECODER FOR 4 USERS
DÉCODEUR POUR 4 USAGERS

Sch./*Ref.* 826/23



ENGLISH

PROGRAMMING METHODS FOR DECODER DEVICES

Programming decoder devices can be carried out in 3 ways:

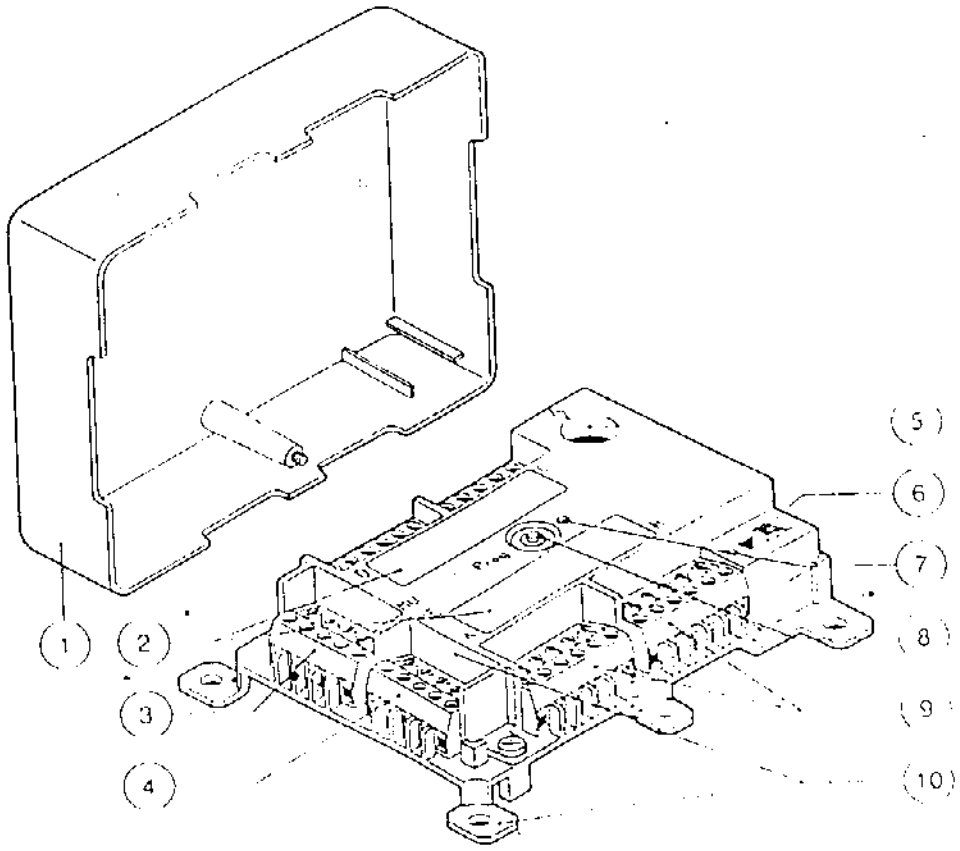
1) Directly on the system, after having connected it and supplied power to it using either a loudspeaking unit (Call module or Digitalizer) or a Switchboard.
   To carry out this operation 2 persons are necessary; they must communicate either using a radiotelephone or an indoor set and an outdoor station of the same system. A person will operate on the outdoor station or on the switchboard, the other will operate on the floor decoder devices. In the above-mentioned way at the end of each decoder device programming, the correct operation of the services can be checked calling from outside.

2) Directly on the system as mentioned above, but detaching the call module and connecting it directly to the various decoders using the special jack cable (Ref. 826/104). In this condition a person can operate without any help.
   In this case, of course, it is possible to check the proper operation of all the services only subsequently.
   NOTE: For the single decoder for house phone systems Ref. 826/14 it is not possible to use this method because as it is of limited dimensions the socket for the jack cable has not been set.

3) Previously in the laboratory, using an outdoor station (or switchboard) and the power supply. In this case all the decoder devices can be stored and then installed in the relevant floors.

After having programmed all the devices, for the final check, take away the voltage from the power supply for at least 5 seconds, then supply power again and call to check the programmed codes.

DECODER FOR FOUR USERS - REF. 826/23



The decoder for 4 users is composed of:

- Base and protection shock-resistant plastic cover, 116 × 94 × 33 mm, for electronic board (10).
- Input (4) and output (3) terminal strip for indoor set connection (9), setting jumper (6), to drive the calls (on loudspeaker or buzzer), key (8), led (7), and jack socket (5) for programming, memorandum labels (2) to note the programmed codes.
- Neutral coloured shock-resistant plastic cover (1).
- Total maximum dimensions l 123 × h 100 × d 38 mm.

TECHNICAL CHARACTERISTICS

Operation voltage	24 Vdc ± 10%
Electrical input during stand-by	14 mA
Electrical input while speaking	14 mA
Operation temperature	−10°C +45°C

'ERATION

e decoder for 4 users must be programmed with the codes of the 4 ers.

e codes are filed on an EEPROM type memory guaranteed also in sence of power supply.

hile operating, the code transmitted by a calling device (Call Module, gitalizer device, or Switchboard) recognized by the decoder produces e call ringing of the relevant indoor set (for as long as the call button is essed), and the consequent insertion of the voice. The conversation can ɜt for 10 minutes if no other user is called.

the conversation is interrupted because another indoor set is called or ıy way when the ten minutes allowed are over, the decoder produces on e indoor set connected to it a brief intermittent sound that indicates to e user that the voice has been excluded.

om the house phone and/or video house phone indoor set two different ɔmmands can be given by pressing the relevant key: "electric lock open- g" and Switchboard call (optional).

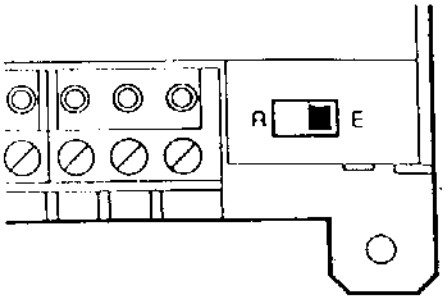
he electric lock-opening command is a single one even though the sys- ːm has several outside stations with a respective electric lock, as the ɛtting of the electric lock opening key produces the opening of the elec- ic lock of the set where the call was made. For further information on ıs point, consult the Call Module Booklets and the Digitalizer Device ooklets.

ETTINGS

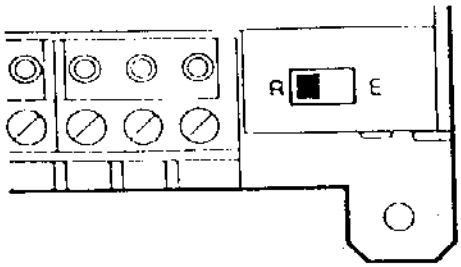
he decoder for 4 users is set for a connection with an "electronic" ıdoor set. If you want to use traditional indoor sets, it is necessary dur- ıg installation, **before suppling power,** to move prearrangement selector s indicated in the picture.

NOTE:
In a system <u>all</u> the indoor sets have to be of the same type ("elec tronic" or traditional).

SETTING FOR ELECTRONIC
INDOOR SET
(ELECTRONIC SIGNAL BELL)

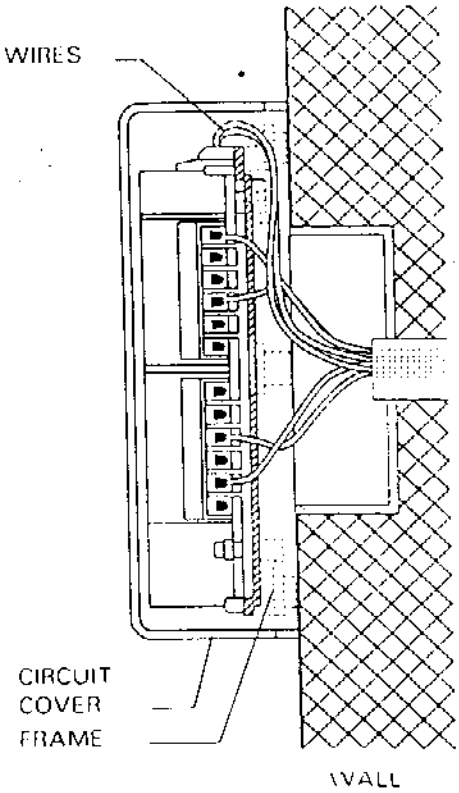


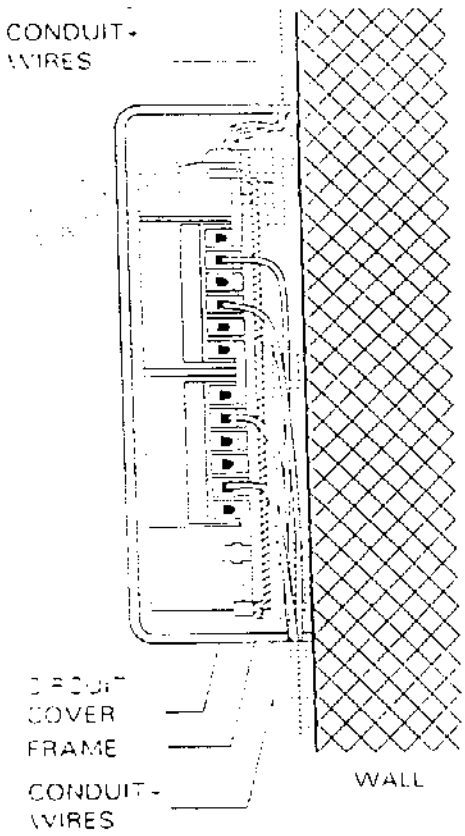
SETTING FOR
TRADITIONAL INDOOR SET
(BUZZER)



INSTALLATION

The floor Decoders for 4 users, Ref. 826/13 must be installed as in picture.





The decoder must be connected:

- from one side to the riser of the system;
- from the other to Indoor Sets (max. 4).

As far as the connection to the system riser is concerned, follow the rules prescribed in the Booklet "System and Installation Standards".

As far as the connection from the decoder towards the indoor sets is concerned it is necessary to consider the following prescriptions:

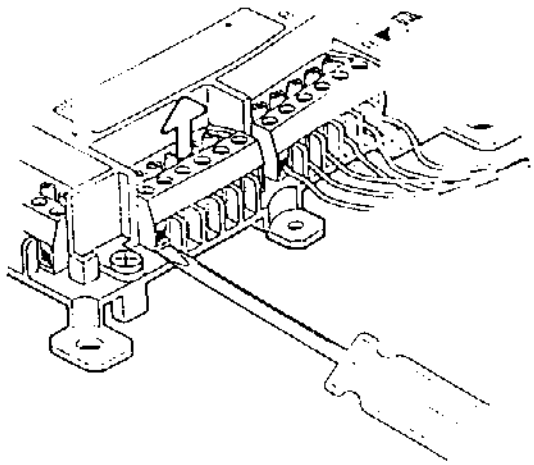
- use a cable with section over 0,50 mm^2;
- never use several wires connected in parallel to reach the section required (multicouple telephone cable), but use only adequate section wires (better if flexible);
- limit the length of the connections between decoder and Indoor Sets to less than 20 m;
- place the 6 connecting wires at an adequate distance from the power lines (more than 30 cm where it is possible).

Up to 2 indoor sets in parallel can be connected to each of the 4 shunts, as shown in the table.

	2 house phones 1 repeater relay	1 monitor 1 monitor 1 repeater relay	2 monitors 1 repeater relay
house ph. Mod. 1311 Scout monitors rep. relay Mod. 788/11	YES	YES	YES
citofoni Mod. 1130 Ranger monitors rep. relay Mod. 788/11	YES	YES	YES
citofoni Mod. 1130 Explorer monitors rep. relay Mod. 788/11	YES	YES	**NO**

If the connection in parallel of more than 2 indoor sets (or in the case of 2 Explorer monitors) on the same shunt, is required, it is necessary to refer to the relevant Urmet Digital Call System 2nd ed. book.

All terminal boards may be extracted to make maintenance operations easier and thy are supplied with separators for the conductors.
To extract a terminal board, lever with a screwdriver as shown in the picture.



BEWARE
Please, do not open the protection cover of the electronic board.

PROGRAMMING

Each decoder is produced by URMET and codified, for testing purposes with the following 4 codes for calling: 9996, 9997, 9998, 9999.

The code for calling that can be programmed for an indoor set is a number from 1 to 9999 depending on the system Mode:

- in MODE 1, without secondary sets, it is "NNNN" type;
- in MODE 1, with secondary set, it is "SNNN" type;
- in MODE 2, it is "SSNN" type;
- in MODE 3, it is "SSSN" type.

For further information see system Mode description on the Booklet "System and Installation Standards".

IMPORTANT: In case of systems with Secondary Outdoor Stations the 4 codes stored must all be characterized by the same prefix: S in Mode 1, SS in Mode 2, SSS in Mode 3

When the programming method is chosen, as illustrated in the preceding chapter, do as follows:

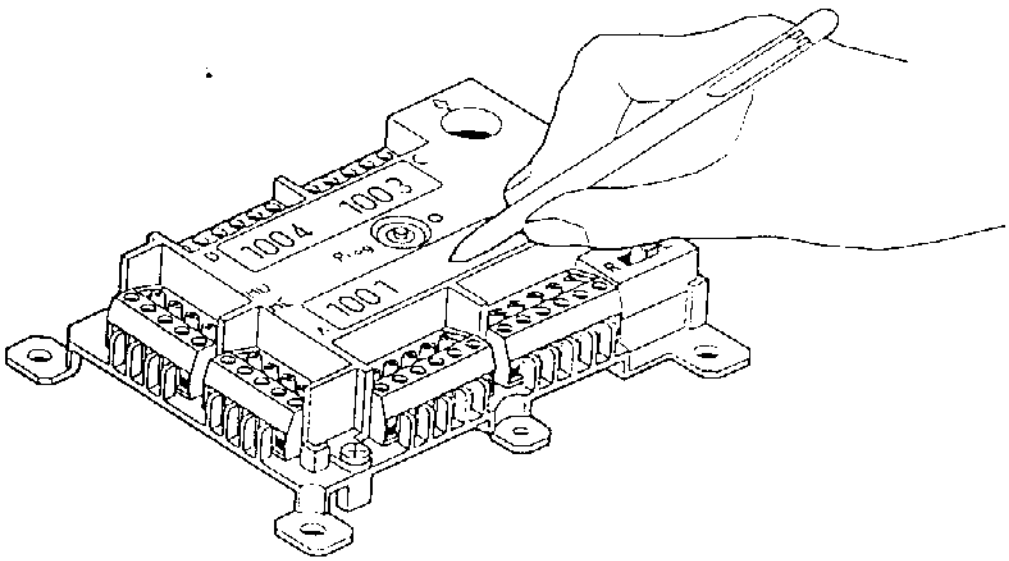
1) Press the programming key (8): the led lights on as to confirm (7).

2) Select on the keyboard of the calling device (Module or Switchboard) the first code (that corresponds to the user connected on the terminal A) and push the key for calling "BELL", or with the digitalizer device press the key that corresponds to that user: in this phase the led (7) blinks and then goes off.

3) Then send the codes of the 2nd, 3rd and 4th user with the same procedure indicated in point 2.
You will notice that delivering the 4th code the led (7) blinks for some instants and then goes off.

In case you do not want to store all the 4 digits, after the first second and third press the programming key of the decoder.

ATTENTION
For an efficient maintenance of the systems it is INDISPENSABLE while programming the decoder to fill in the special memorandum label (2) placed inside the cover, near the connection terminal boards to the indoor sets.



SISTEMA DI CHIAMATA DIGITALE 2ª Edizione

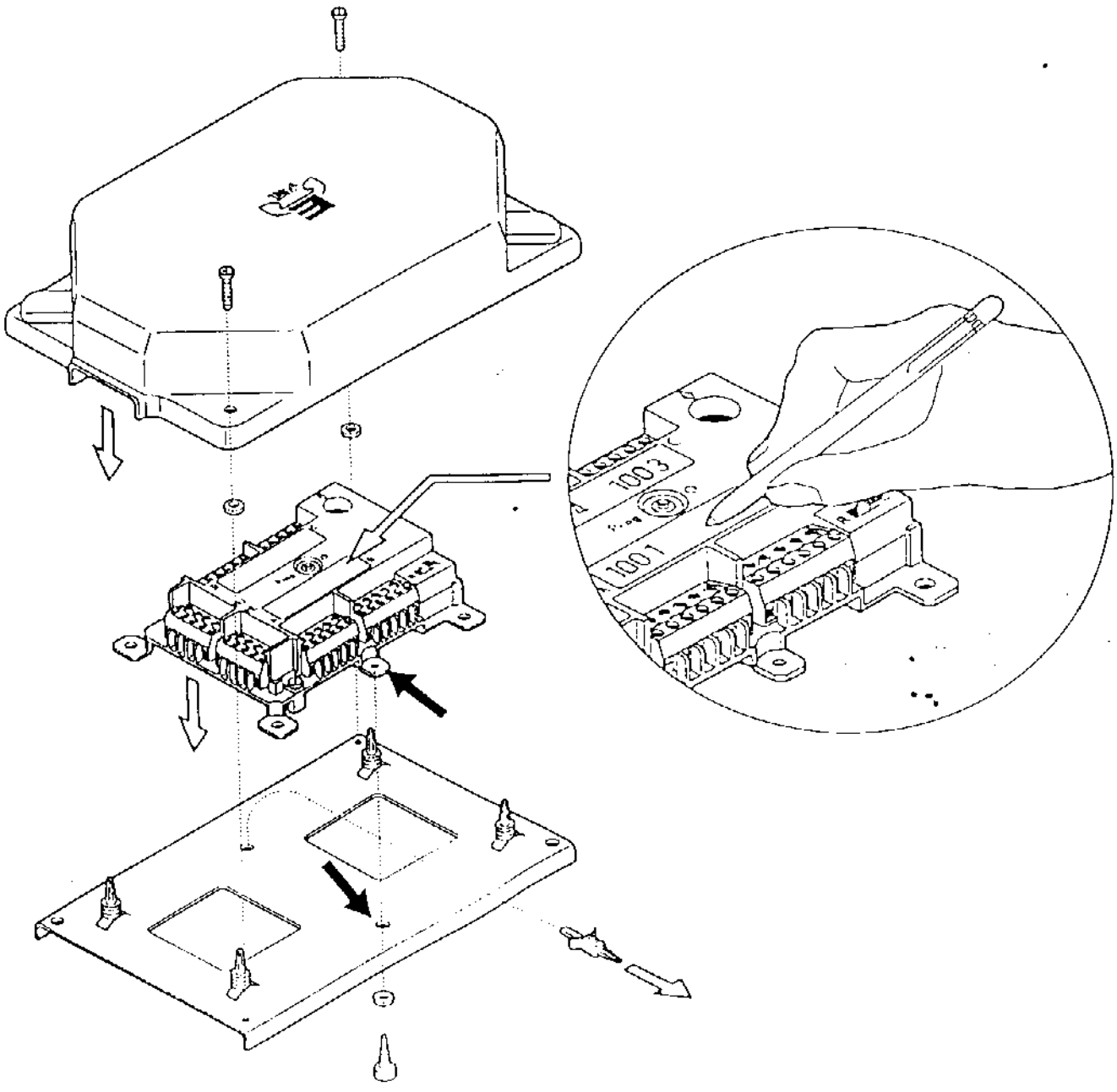
DIGITAL CALL SYSTEM 2nd Generation

SYSTEM D'APPEL DIGITAL 2ème Génération

Mod. 826

DS 826-033

FOG. 271



HOW TO REPLACE A 1ST ED. DECODER Ref. 826/3 WITH A NEW 2ND ED. Ref. 826/23

- *Remove from the frame of the old decoder, the central plastic spacer;*
- *lean on the frame the new decoder Ref. 826/23 as shown in the picture; insert through the hole a self-tapping screw for plastic (2,9 x 9,5 mm) with its washer and screw in the hole as shown in the picture (see the indication of the arrows).*
- *fill the memo labels of the decoder with the programmed codes;*
- *use the cover of the old decoder without deeply screwing.*

BEWARE:

1) *Move the wires of the terminal board ME following the same order of MU (1 2 -24 D +24).*
2) *Move the call selector, down on the right, in the position R in order to prearrange the decoder for employing house phones with buzzer (see instructions manual).*
3) *If, after replacing the decoder, there is a bad functioning of the buzzers, you should replace the Indoor Sets as the wear prevents its service.*
4) *Keep in mind that the buzzer 24V Ref. 826/108 must not be used with the actual decoder, so that if the connected house phones would have that buzzer, you should use the series buzzer and exclude then.*

REPLACEMENT OF THE DECODER Ref. 826/13 WITH A NEW ONE Ref. 826/23

The mechanics of the decoders Ref. 826/23 is compatible with the previous Ref. 826/13.

BEWARE:

1) *Move the wires of the terminal board MU following the same order of ME (1 2 -24 D +24).*
2) *Move the call selector, down on the right, on E or R, according to the kind of house phones which have been employed (see instructions manual).*
3) *If, after replacing the decoder, there is a bad functioning of the buzzers, you should replace the Indoor Sets as the wear prevents its service.*
4) *Keep in mind that the buzzer 24V Ref. 826/108 must not be used with the actual decoder, so that if the connected house phones would have that buzzer, you should use the series buzzer and exclude then.*

CARTELLINO PROMEMORIA / *MEMORANDUM LABEL*

ETC 826-007

IMPIANTO N. / *SYSTEM N.* ....

LOCALITÀ / *LOCATED IN* ....

ATTIVATO IL / *INSTALLED ON* ....

DA / *BY* ....

NOTE / *NOTES* ....

INIZIO PROGRAMMAZIONE / *PROGRAMMING START*	1° PASSO / *1ST STEP*	2° PASSO / *2ND STEP*	3° PASSO / *3RD STEP*	4° PASSO / *4TH STEP*	5° PASSO / *5TH STEP*	6° PASSO / *6TH STEP* (a, b, c, d)	FINE PROGRAMMAZIONE / *PROGRAMMING END*	INSERIMENTO CODICI SEGRETI / *LOCK OPENING SECRET CODE*
Premere il tasto di programmazione. Il led si accende *Press the programming key. The Led will light up*	PREMERE / *PRESS* ✱	PREMERE / *PRESS* ✱	PREMERE / *PRESS* ✱	PREMERE / *PRESS* ✱	PREMERE / *PRESS* ✱	a b c d — PREMERE / *PRESS* ✱	Il led si spegne. *Led off.*	
	TIPO POSTO DI CHIAMATA **0** = Principale **1** = Secondario **2** = Speciale	MODO D'IMPIANTO **1** = Modo 1 **2** = Modo 2 **3** = Modo 3	NUMERO POSTO DI CHIAMATA 0 ÷ 999 se Principale 1 – 9 se Secondario in Modo 1 1 – 99 se Secondario in Modo 2 1 ÷ 999 se Secondario in Modo 3	TEMPO OCCUPATO **1** = 10 sec **2** = 20 sec **3** = 30 sec **4** = 40 sec.	SERVIZIO APRIPORTA **0** = Per aprire la serratura elettrica in ogni momento **1** = Per aprire la serratura elettrica solo se chiamati.	CODICE DI ACCESSO PER MEMORIZZAZIONE CODICI DI APRIPORTA 0 0 0 0 Prestazione esclusa 0 0 0 1 Codice di accesso N. 0001 . . . . 9 9 9 9 Codice di accesso N. 9999		Premere **0**, **0**, pausa, **b**, pausa, **c**, pausa, **d** 1° Codice segreto di a[…] 0001 ÷ 999[…] (0000 codice disat[…] Premere ✱ 2° Codice segreto di a[…] 0001 ÷ 999[…] 8° Codice segreto di a[…] 0001 ÷ 999[…] Premere ✱ Il display si spegne e il[…] na in stato di riposo: […] line inserimento.
SCRIVERE UNA SOLA CIFRA PER CASELLA / IN CASO DI ERRORE PREMERE [X] E RICOMPARE LA CIFRA PRECEDENTEMENTE MEMORIZZATA								
	CALL MODULE TYPE ***0** = Main entry* ***1** = Secondary entry* ***2** = Special entry*	*TYPE OF INSTALLATION* ***1** = Type 1* ***2** = Type 2* ***3** = Type 3*	*CALL MODULE NUMBER* *0 ÷ 999 if Main entry* *1 ÷ 9 if Secondary Entry Type 1* *1 – 99 if Secondary Entry Type 2* *1 ÷ 999 if Secondary Entry Type 3*	*BUSY PERIOD* ***1** = 10 sec.* ***2** = 20 sec.* ***3** = 30 sec* ***4** = 40 sec.*	*LOCK OPENING* ***0** = To open the electric lock at any time.* ***1** = To open the electric lock only when called*	*ACCESS CODE TO STORE THE LOCK OPENING CODES* *0 0 0 0 No lock opening* *0 0 0 1 Access code N. 0001* . . . . *9 9 9 9 Access code N. 9999*		*Push **0**, **0**, pause, **a**, pause, **c**, pause, **d**:* *1st Lock opening secr[…] 0001 ÷ 999[…] (0000 code disa[…]* *Push* ✱ *2nd Lock opening sec[…] 0001 ÷ 999[…]* *8th Lock opening secr[…] 0001 ÷ 999[…]* *Push* ✱ *Display off and call mo[…] operate; input over*

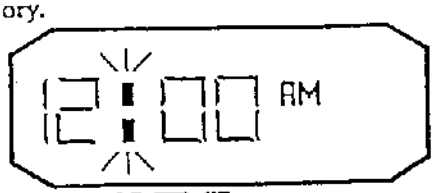
[X] … STORED APPEARS AGAIN

MODULAR DIGITAL CLOCK OPERATING INSTRUCTIONS

If the clock is not operating connect mains supply, wait 5 minutes then push all four buttons together, hold them down until the display shows 12:00 AM.

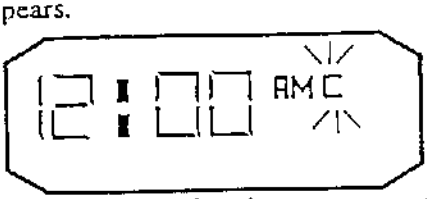
ACTIVATION

Press all four buttons together and hold down until the display shows 12:00 AM in order to clear the memory.

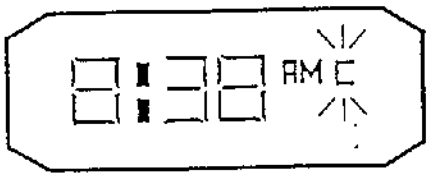


SETTING TIME

Press SET, until a flashing 'C' appears.



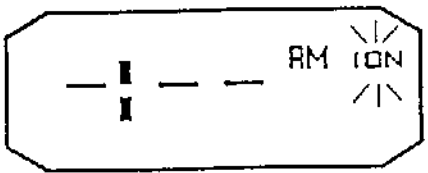
Press HRS and set hours to correct time, then press MINS to set minutes to correct time. N.B. When buttons are pressed for more than 2 seconds, figures advance rapidly.



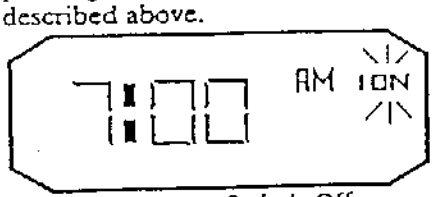
SETTING PROGRAMMES

Programme 1

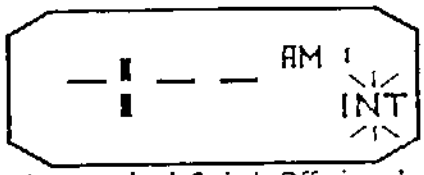
To programme switch-on time, press SET. Display appears as illustrated with '1 ON' flashing.



Set required Switch-On time by pressing HRS and MIN buttons as described above.



To programme Switch-Off, press SET. Display appears as illustrated with '1 INT' flashing.



Set required Switch-Off time by pressing HRS and MIN buttons as described above.

For programmes 2 and 3 Press SET. Display appears as illustrations above but with '2 ON' flashing. Programme On and Off times as described for setting programme 1. Press SET again and display appears as illustration above but with '3 ON' flashing. Set On and Off times as described above. Finally press SET twice, this will return the time clock to its normal operating mode and the correct time will be displayed with the colon flashing.

NOTE

Remember, when programming, you must fully complete the sequence by repeatedly pressing the set button until the colon between hours and minutes flashes indicating that the unit is in the normal operating mode. This applies even if you are only using 1 (or 2) On/Off programmes.

TO REVIEW SETTING

Press SET button. Each time the button is pressed the display shows the next stage of the programmed sequence. The part of the display which is flashing shows the stage of the programme displayed. eg. '1 ON' flashing means the first On time is shown. Continue pressing SET button to return to normal operating mode.

SETTING OR REVIEW

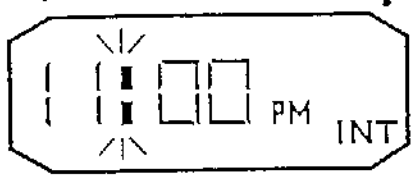
If the colon between hours and minutes is stationary you are in the programming condition. The time displayed can be adjusted as required.

MANUAL OVERRIDE

To switch on the appliance when the display is in Off mode, press O/R - the 'ON' on the display will flash to show the switch is not in its programmed position. To return to 'Off' press the O/R button again.

SUSPEND

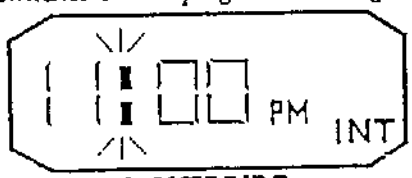
To suspend previously set On and Off times, press SET button until the setting to be suspended is reached. Press O/R button, an 'X' will appear on the display to show this setting has been suspended. Press O/R again to cancel suspend. Return display to normal operation by pressing SET as required.



REMEMBER

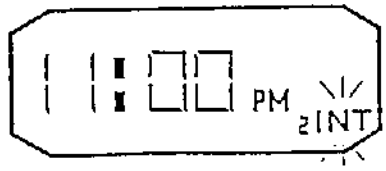
NORMAL OPERATION

The flashing colon shows that the switch is in the normal operating condition and will always display the correct time (unless you have set it incorrectly). 'ON' shows that it has switched on at a programme setting.



MANUAL OVERRIDE

The 'INT' is flashing to indicate that a previous programme has been overridden and the switch is now Off. It will revert to its normal programmed operation at the next setting.



SUSPEND

The 'X' shows that a programme instruction has been suspended.