

SPECIFICATIONS

Dimensions	:	95 x 89 x 32 mm
Weight	:	225g
Power Supply	:	12VAC or 12VDC/500mA
Power Consumption	:	Idle - 0.5 Watts Voice Call - 0.75 Watts Ringing - 3.0 Watts
Ringer Equivalence	:	0.3 REN
Line In Connector	:	RJ 11 6 pin (2 centre)
Line Out Connector	:	RJ 11 6 pin (2 centre)
Door Station Connector	:	RJ 11 6 pin (Audio 2 Centre)
Lock 1	:	(Lock 1 Pins are 1 & 6)
Lock 2	:	(Lock 2 Pins are 2 & 7)
Power Connector	:	2.5mm barrel connector
ACA COMPLIANT	:	Supplier Number N 782

WARRANTY

Your DS3 Door Station Line Sharer and Door Phone devices are guaranteed against defects from workmanship for a period of two years (24 months) from date of purchase. In the event of failure, you should return the product, along with proof of purchase date, and a written statement about the nature of the problem for replacement.

The Warranty extends only to the original purchaser and is not transferable.

This Warranty shall not apply to any unit which has been subject to alteration, modification, abuse, negligence, accident, external voltage/lightning surge or used in any manner contrary to these instructions. The user is responsible for freight costs to the repair point. Warrantor will be responsible for freighting the replacement unit back to the user. This Warranty gives you specific legal rights and you may also have other rights which may vary from state to state. The obligation is solely to repair or replace the product. The warrantor is not liable for any incidental or consequential damages due to such defects. Damage caused to the line sharer, or attached equipment, by lightning strikes or over voltage surge is not covered under the terms and conditions of your warranty.

**CASE SEALED AT FACTORY
OPENING THE CASE VOIDS THE WARRANTY**

NATIONAL COMMUNICATIONS

Model DS3 P DOOR STATION LINE SHARER

USER GUIDE

Contains important information which is required for full and correct operation



For Technical Assistance, Please Phone:
QLD HEAD OFFICE (07) 5596 5128

Manufactured in Australia by
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DESCRIPTION

This User Guide describes the installation and operating instructions of our **DS3** model DOOR STATION Line Sharer, which is designed to connect to a SPECIALLY DESIGNED Surface Mount or Flush Mount DOOR PHONE.

This product will work with your **ORDINARY RESIDENTIAL TELEPHONE LINE** or it can be fitted to a **PSTN TRUNK** (used or unused) of any Commander or PABX type telephone system.

It also provides for independent DTMF control of TWO separate relay outputs, that can be used to control up to TWO Lock or Door Strikes, or ONE lock and ONE other device such as a RECORDING DEVICE or LIGHT.

Alternative Models are available which provide the following features:

- DS1 - PSTN connection, no lock control.
- DS2 - PSTN connection, single lock control.
- DS3 - PSTN connection, dual lock control.
- DS4 - PABX EXTENSION connection, no lock control.
- DS5 - PABX EXTENSION connection, single lock control.
- DS6 - PSTN or PSTN connection, dual lock control, with dial out.
- DS7 - As per DS2 - works with telephone instead of Door Phone.
- DS8 - As per DS5 - works with telephone instead of Door Phone.
- DS9 - As per DS6 - works with telephone instead of Door Phone.

Your DS3 DOOR STATION Line Sharer is completely TRANSPARENT in operation, so that it will not affect the normal operation of your line in any way.

It is designed to operate with a specially designed DOOR PHONE. ONE or TWO Door Phones can be connected to the DS3 unit (they must be connected in parallel with each other).

TROUBLESHOOTING LOCK CONTROL

If you are having trouble controlling the LOCK or GATE STRIKE, please trouble-shoot by using the following procedure :

DS3 : Lock 1 should connect to Brown and Orange terminals.
Lock 2 device should connect to Blue and White terminals.

LOCK 1 - Test that you receive the correct voltage across the BROWN and ORANGE terminals of the break out box, as soon as ** is pressed on the attached telephone.

LOCK 2 - Test that you receive the correct voltage across the BLUE and WHITE terminals of the break out box, as soon as *2 is pressed on the attached telephone.

You should also check that you can hear a faint click in DS3 when the relay switches, to confirm that the relay has closed.

If the voltage is not being switched, repeat this procedure with a single telephone connected to the LINE OUT port to ensure that DS3 is receiving the ** (or *2 for lock 2) command.

You should also check that you can hear a faint click in DS3 when the relay switches, to confirm that the relay has closed.

If you cannot hear the faint 'click', this would suggest that ADSL or EMI is preventing detection of the DTMF commands. See page 18.

If you can hear the faint 'click', and the lock is still not working, you should now fault find the 12V circuit.

NOTE

Do not use the supplied Door Station Line Sharer 12V plug pack to also provide 12V power for the lock, as this may cause damage to the Line Sharer. You must use a separate 12V source, with a maximum rating of 12V/1A.

TROUBLESHOOTING AUDIO

If you are having trouble with AUDIO QUALITY, please trouble-shoot by using the following procedure :

1. Adjust the POT located on the back of the Door Phone as described on page 11.
2. If you are still having audio quality problems, they can be caused by

A) ADSL INTERFERENCE

You MUST ENSURE that a HIGH QUALITY ADSL FILTER is fitted on the LINE INPUT immediately ahead of our DS3 Controller. See page 13.

B) EMF INTERFERENCE

From Switch Mode Power Supplies or low end UPS (Uninterruptable Power Supplies).

Switch Mode Power Supplies are well causes of induced interference.

Cordless Phones in particular can suffer or cause EMF problems.

Please TURN OFF all SWITCH MODE POWER SUPPLIES located near the DS3 controller to test for Interference.

If by turning off all nearby power supplies your audio quality improves, you should then reconnect 1 power adaptor at a time to determine the source of the problem. Once identified, the problem source should be relocated away from the DS3 unit, at a suitable distance that overcomes interference.

Please call 07 55965128 for additional assistance.

DESCRIPTION CONT.

Once correctly installed, DS3 will RING all of the telephones that are connected to it as soon as it is activated by a visitor pressing the Call Button of the attached Door Phone.

If you are using an ordinary single telephone line, you will notice that your telephones WILL RING DIFFERENTLY, to alert you that the call is from your Door Phone.

If you are using a Cordless Phone or a Commander/PABX telephone line, your telephones MAY NOT RING DIFFERENTLY, as many of these devices ignore our ring and output their own ring. For this reason, your unit can be set to output FIVE quick 'beep' tones (advice tones) immediately after answer, to advise you that the incoming call is from your Door Phone (refer to Programming Section).

DS3 can be used with MOST CORDLESS PHONE MODELS. However, a small number of CORDLESS PHONE MODELS totally ignore the ring from DS3 and will NOT RING when there is a Door Phone call.

If you have a CORDLESS PHONE that will not ring, it will be necessary to also use one or more CORDED TELEPHONES on your line (or a Ringing Bell Accessory that is available from most retail outlets that sell telephones).

CORDED TELEPHONES will ALWAYS RING, and will alert users of CORDLESS PHONES that do not ring that there is an incoming Door Phone call.

You can still ANSWER, COMMUNICATE and CONTROL LOCKS with CORDLESS PHONES that do not ring.

DOOR PHONES

A choice of Two Door Phones are provided for use with your DS2 device and should be ordered separately :

SURFACE MOUNT DOOR PHONE

(Order Code - SMDP) is an attractive moulded plastic unit, designed for easy mounting direct onto your wall surface.

(Dimensions are :
100mm Wide, 133mm High, 32mm Depth).



FLUSH MOUNT DOOR PHONE

(Order Code - FMDP) has an attractive, strong stainless steel face plate, which is designed for mounting flush in to your wall surface. It can be fitted vertically or horizontally.

It has a 10mm camera hole, to allow for easy mounting of a digital camera unit (available from your dealer or installer).

To accommodate the body of the FMDP, you must allow for a MINIMUM recessed area of :
W 80mm, H 160mm, D 35mm.



DOOR PHONE COVER

If your Door Phone is not under cover, a strong transparent DOOR PHONE COVER is essential to ensure that water from rain cannot gradually permeate through to the electronics of the Door Phone which can cause unreliable operation and can eventually lead to permanent failure of this device.

Door Phone Covers are available for	: \$39.00 incl GST.
Order Code for SMDP Door Phone	: DPC-1
Order Code for Vertical Mount of FMDP Door Phone	: DPC-2
Order Code for Horizontal Mount of FMDP Door Phone	: DPC-3

Separate DETAILED User Guides are provided with your DOOR PHONE.

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TROUBLESHOOTING AUDIO

If you are having trouble with AUDIO COMMUNICATION between the DOOR PHONE and ANY TELEPHONES on your line, please follow the procedure below.

Most problems encountered are caused by site specific conditions. Through a process of elimination, problems can be determined and then rectified. The best way to do this is to isolate our equipment from the existing devices/cable, using the following procedure :

1. Disconnect the telephone cable from the LINE OUT port of your unit and connect a single corded telephone into this port. Now test communication with this single phone.

If satisfactory operation can be achieved, you should then fault find your problem with the wiring or telephones downstream of our unit by connecting them to our unit 1 device at a time.

2. If satisfactory operation cannot be achieved, you should then disconnect the telephone cable from the DOOR PHONE port of your DS3 unit and then temporarily run NEW CAT5 cable from the DS3 to your DOOR PHONE.

If satisfactory operation can be achieved, you should then fault find your problem in the wiring leading to the DOOR PHONE unit.

3. If satisfactory operation cannot be achieved, you should then disconnect the telephone line input to the LINE IN port of your DS3 unit (with the telephone line disconnected, audio communication can be achieved, but DTMF operation will not work).

If satisfactory operation can be achieved, you should then fault find your problem caused by the incoming telephone line. If you are using ADSL, ensure that you are using a high quality central style filter such as the C10 model C10245M device available from Telstra shops and National Communications. Note - To prevent VOX problems, the Door Phone must be at least a new connect a single corded telephone to this port.

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PROGRAMMING PROCEDURE

1. **TURN OFF POWER TO YOUR UNIT**
2. **SWITCH ON POWER AND PRESS ### (WITHIN 30 SECONDS)**
You must use a telephone connected to the DS3.
3. **YOUR UNIT WILL OUTPUT 3 SHORT 'BEEPS'**
Do not proceed until you have heard 3 short beeps.
If you do not hear 3 beeps, return to the start (1).
4. **ENTER ANY REQUIRED COMMANDS AS FOLLOWS:**
(Note - You can change one or more parameters in any order)
 - A. **NUMBER OF RINGS**
To enter the NUMBER OF RINGS press #1xx
where xx = number of rings and can be 01-99
(for example, press #115 for 15 rings)
 - B. **DOOR PHONE CALL ADVICE TONES**
To disable TONES press #40
To enable TONES press #41
 - C. **LOCK 1 SET UP**
To enter the LOCK 1 OPEN TIME press #6xx
xx = time limit in seconds that LOCK 1 will remain open
after pressing **. It can be set from 01-99 (seconds)
(for example, press #630 for 30 seconds)
 - D. **LOCK 2 SET UP**
To set LOCK 2 to control a SECOND LOCK
press #200
To set LOCK 2 to SWITCH ON/OFF a device
press #2xx
xx = time limit in seconds that attached device
remains ON after hang up.
It can be set from 01-99 (seconds)
(for example, press #230 for 30 seconds)

TO EXIT PROGRAMMING MODE - HANG UP.

LOCK CONTROL

Your DS3 is provided with TWO internally fitted relays which can be used to control TWO LOCKS or ONE LOCK and ONE OTHER DEVICE such as a Video Camera, Recorder or Light.

Relay Specification - Dry Relay Contacts rated at 12V/1Amp.
Do not use the supplied Door Station Line Sharer 12V plug pack to also provide 12V power for the lock, as this may cause damage to the Line Sharer. You must use a separate 12V source, with a maximum rating of 12V/1A.

LOCK 1 FACILITY

To OPEN the Door/Gate Lock after answering a call from your DOOR PHONE you need to press ** (twice) on your telephone. The lock will remain open until you HANG UP your telephone.

Your Door/Gate Lock can also be OPENED at any time by picking up any telephone and dialling **. The Door/Gate Lock will be LOCKED as soon as you hang up. You do not need to receive a call from the Door Phone first.

LOCK 2 FACILITY

To OPEN the ALTERNATIVE Door/Gate Lock after answering a call from your DOOR PHONE you need to press *2 on your telephone. The lock will remain open until you HANG UP your telephone.

Your ALTERNATIVE Door/Gate Lock can also be OPENED at any time by picking up any telephone and dialling *2. The Door/Gate Lock will be LOCKED as soon as you hang up. You do not need to receive a call from the Door Phone first.

DOOR RELEASE MECHANISM

A Door Release Mechanism is not supplied with DS3, due to the large variation of lock, door and gate types that can be used. Your installation technician will arrange the supply of a suitable Door Release Mechanism if required.

OPERATION

When a visitor at your door or gate presses the call button on your SUPPLIED DOOR PHONE, DS3 will ring all of the telephones connected to your line up to 10 times (the number of rings can be changed). By simply answering any ringing telephone on your line, you will be immediately connected direct to your visitor, so that you can converse with them.

If you are already on a telephone call, the DOOR STATION Line Sharer will instead inject a faint 'Beeping Tone' into the background of your call to alert you. You will then be able to place your existing call 'ON HOLD' and switch to the door or gate by simply pressing the ## key (twice) on your telephone. To resume your original call, all you need do is to press ## again. This can be done as many times as required.

If you have a LOCK MECHANISM fitted, you can also open a gate or door lock during this call and allow your visitor to enter, by simply pressing the * * key (twice) on your telephone.

If you have the SECOND LOCK CONTROL FACILITY fitted, you can also open an ALTERNATIVE gate or door lock during this call, by simply pressing * 2 on your telephone.

Alternatively, the SECOND LOCK option can be used to START and STOP a VIDEO CAMERA and/or RECORDER or to TURN ON and then TURN OFF a 12V LIGHT (or a 240V Light with the Power Control Unit Accessory).

The Light or Video Device will be SWITCHED ON as soon as the Call Button is pressed on the supplied Door Phone and will SWITCHED OFF, 15 seconds after the Door Phone call has terminated.

The Second Lock facility is configured for either method in the PROGRAMMING section.

LOCK 2 TIME OUT

The second lock control facility can be used for either :

A SECOND alternative Gate or Door LOCK

OR

To SWITCH ON and OFF a VIDEO DEVICE or a LIGHT.

If a separate Lock is fitted, set this command to : 00

If a Video Camera or Recorder or a Light is fitted at the Door or Gate), set this command to : 01 to 99

01 to 99 is the time interval that the DEVICE REMAINS ON after the Door Phone call is complete.

Allowable Range : 00 to 99

Default Setting is : 10

PROGRAMMING NOTES

The following notes provide important information about the programming procedure :

- 1) To enter PROGRAMMING MODE you must turn OFF POWER to your unit and then switch POWER ON AGAIN.
- 2) Using ANY TELEPHONE connected to **DS3**, PRESS **###** within 30 SECONDS.
- 3) You will hear 3 short 'beeps' to confirm you are in programming mode.
- 4) Individual Parameter Programming Entries are also carried out by pressing further keys on the attached telephone
- 5) Your unit will generate 1 short 'beep' to confirm acceptance of command.
- 6) Your unit will generate 1 long 'beep' to advise of an entry error. If 1 long 'beep' is detected, your command should be repeated.

PROGRAMMING OPTIONS

DS3 has internal flash memory which will retain your settings even if power is disconnected. A number of features are provided to allow you to customize the capability of this device to meet individual requirements :

NUMBER OF RINGS

You can set a limit for the number of rings that DS2 will generate when a visitor presses the Call Button on your Door Phone. You may wish to do so to prevent a Door Phone call being answered by your answering machine.

Allowable Range : 01 to 19 rings
 Default Setting is : 10 rings

DOOR PHONE CALL ADVICE TONES

5 shorts 'beeps' can be injected into the Door Phone call, immediately after answer, to advise you that the incoming call has originated from your Door Station. This facility is very useful for those users which may use cordless phones, that will not ring differently when a Door Phone call is present.

Allowable Range : ON or OFF
 Default Setting is : OFF

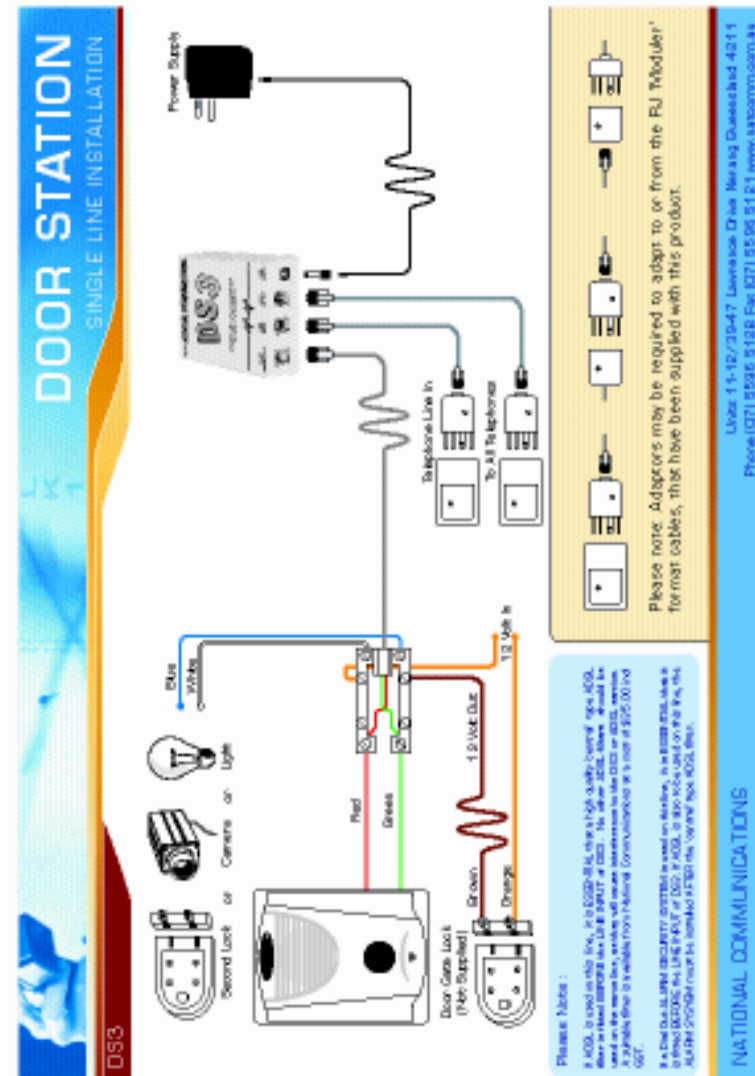
LOCK 1 TIME OUT

The first lock control facility should be used to open a gate or lock. You can set the time which LOCK 1 will remain open after the user presses the ** command, between 01-99 seconds. :

01 to 99 is the time interval that the LOCK REMAINS OPEN after pressing **

Allowable Range : 01 to 99
 Default Setting is : 10

DS3 - INSTALLATION DIAGRAM



INSTALLATION

An ACA approved installation technician will fit your DS3 direct onto your incoming telephone line, immediately ahead of your first telephone socket, so that your telephone line connects to all of your telephone sockets through it. DS3 has been designed so that it will not interfere with the normal use of your telephone line in any way. In the event of a malfunction or power cut, your telephone line will continue to operate.

The contact details of suitable installation technicians in your area are available from National Communications (ph 07 5596 5128).

NOTE - For operation of DS3 on a telephone line fitted with the ADSL service, please refer to page 13.

The following instructions describe a typical installation procedure for fitting DS3 to an ordinary telephone line. Alternative procedures which provide for INCOMING TELEPHONE LINE connection to the LINE PORT of DS3, connection of all extension telephones to the PHONE PORT of DS3 and connection of the DOOR PHONE to the DOOR STATION PORT of DS3, may be used by the suitably qualified installation technician that you are using.

INSTALLATION INSTRUCTIONS

1) Your DS3 unit must be fitted inside the home or office. It must not be fitted outside, next to the Door Phone.

Fit a NEW 611 TYPE telephone socket next to the ORIGINAL first telephone socket. It is best to use a TYPE 611 socket instead of the normal TYPE 610, as this socket contains switching contacts that will automatically reconnect the ORIGINAL telephone socket to the incoming telephone line, should the cable to the DOOR STATION Line Sharer ever be disconnected. (A double telephone socket which contains switching contacts can also be used in lieu of separate sockets). This NEW 611 socket should be labelled DOOR STATION LINE SHARER ONLY. No other devices should be connected to this socket. If a normal telephone is to be used at this location, it should be connected to the ORIGINAL first telephone socket, along with the PHONE PORT of the Door Station Line Sharer, using a normal Double Telephone adaptor.

USERS WITH ADSL

DS3 can be used with ADSL on the same telephone line.

However to avoid conflict, it is ESSENTIAL to fit a SINGLE High Quality 'CENTRAL' ADSL filter immediately ahead of the DS3 Line Sharer. Failure to do so, or use of additional ADSL filters connected direct to your telephones, WILL cause problems in the operation of your Door Station Line Sharer and ADSL service.

Please Note - Basic ADSL FILTERS, designed for separate connection to each telephone on your line (as usually supplied with ADSL modems) are not suitable.

A High Quality 'CENTRAL' ADSL FILTER (model C10245E), suitable for filtering your complete telephone line, is available as an optional extra at a cost of \$35.00.

You can purchase these from your Dealer, or any TELSTRA shop, or on line at : www.natcomm.com.au

USERS WITH DIAL OUT ALARMS

DS3 can be used with a DIAL OUT SECURITY ALARM on the same telephone line.

However to avoid conflict, it is ESSENTIAL to fit the DIAL OUT SECURITY ALARM on the telephone line AHEAD of the DS3 unit, using a MODE 3 switch.

If ADSL is also to be used on this same line, then it is ESSENTIAL to fit single High Quality ADSL filter immediately ahead of the MODE 3 Switch, being the first point on the telephone. This means that the Security Alarm, DS3 Line Sharer and all telephones connected on the telephone line have adequate filtering from the high frequency ADSL communication.

INSTALLATION ON A COMMANDER, PABX or other Multi-Line System

Our DS3 DOOR STATION Line Sharer can be fitted in one of 2 ways :

1) ON A SPECIFIC LINE

DS3 can be fitted to **ONE SPECIFIC INCOMING LINE** of a Commander or PABX type system. In this situation, the incoming telephone line, prior to the system controller should be connected to the LINE port of the Door Station Line Sharer and the PHONE port of the Door Station Line Sharer should then be connected to the system controller. Once fitted, the system will operate exactly as described previously, for operation on the selected line.

2) ON AN UNUSED TRUNK LINE

DS3 can also be fitted to an **UNUSED TRUNK PORT or UNUSED LINE PORT** (Line Port) of ANY Telephone System. This means that this particular line WILL ONLY RING when the Door Phone has been activated. In this situation, the PHONE port is the only connection to the system controller.

Note - The LINE port does not connect to an incoming line. It should be fitted with an RJ11/12 (6P6C) plug which has pins 1 & 3 looped and also pins 4 & 6 looped. This plug provides a simulated line voltage to the Door Station Line Sharer. Phone (07) 5596 5128 for further information or assistance.

3) OUR ALTERNATIVE MODEL DS6 will operate ON A PABX OR COMMANDER ANALOGUE EXTENSION

DS6 can be connected to an **ANALOGUE EXTENSION** of ANY Commander, PABX or other Multi-Line telephone system. DS6 can be programmed to :

DIAL a user programmed telephone number or extension when activated by the call button of the supplied Door Phone.
Or go 'OFF HOOK' when activated by the call button of the supplied Door Phone.

- 2) Transfer the incoming telephone line (normally a BLACK CABLE) from the ORIGINAL first telephone socket to the corresponding positions 2 & 6 on the NEW telephone socket. Leave all other telephone cables connected to the ORIGINAL socket, as these are the connections to your EXTENSION telephones.
- 3) Now connect pins 1 & 5 of the NEW TYPE 611 socket to pins 2 & 6 of the ORIGINAL telephone socket. By doing so, the incoming telephone line will be automatically reconnected to the ORIGINAL telephone should the cable to DS3 ever be disconnected.
- 4) Connect the LINE PORT of DS3 to the NEW TYPE 611 telephone socket, using the supplied telephone cable fitted with a male plug.
- 5) Connect the PHONE PORT of DS3 to the ORIGINAL telephone socket, using the supplied telephone cable fitted with a male plug.
- 6) Connect the supplied 12V power adaptor to DS3, and switch the POWER ON.
- 7) Connect the SUPPLIED DOOR PHONE to the DOOR STATION PORT of DS2. Please now refer to the separate User Guide supplied with your Door Phone, to obtain important information.

For convenience, an interface unit with screw terminals is supplied and should be connected to the DOOR PHONE PORT using the supplied RJ to RJ cable.

Run a solid core telephone cable (preferably CAT5) between the interface unit.

The Surface Mount Door Phone will require only 2 of these wires.
Our Flush Mount Door Phones will require 4 of these wires.
Your LOCK1 (if fitted) will require 2 of these wires.
Your LOCK2 (if fitted) will require 2 of these wires.

- 8) Please now refer to the separate User Guide supplied with your Door Phone, to obtain important information.

SURFACE MOUNT DOOR PHONE - Connect the same two wires that are connected to the CENTRE 2 PINS of the RJ12 socket of DS1 (via interface box) to the screw terminals located on the back of the DOOR PHONE. The LED on the DOOR PHONE should now switch ON

Polarity to the DOOR PHONE is not important .The DOOR PHONE should now be mounted onto your wall surface.

With the SMDP, this is done by separating the Door Phone unit from the integral backing plate, secured by a screw underneath the grey plastic label, above the speaker. The backing plate should then be screwed to the wall surface, before re-attaching the Door Phone with the securing screw.

FLUSH MOUNT DOOR PHONE - Audio Connection - Connect the same two wires that are connected to the CENTRE 2 PINS of the RJ12 socket of DS1 (via interface box) to the CENTRE inputs of the supplied Dinkle Plug. Polarity is not important .

Power - Connect the same two wires that are connected to the 2 PINS either side of the centre 2 pins at DS1, (via interface box) to the outside positions of the Dinkle Plug. The LED on the DOOR PHONE should now switch ON after a 10 second delay.

The FMDP unit is screwed direct to the wall with 2 supplied mounting screws.

- 8) **Lock Control Connection** - Two wires are also used to connect between the LOCK MECHANISM and the interface box. This facility is used to open the Door or Gate. The polarity of the DOOR LOCK control wires is not important.

DS3 : Lock 1 should connect to Brown and Orange terminals.
Lock 2 device should connect to Blue and White terminals

NOTE - Do not use the supplied Door Station Line Sharer 12V plug pack to also provide 12V power for the lock, as this may cause damage to the Line Sharer. You must use a separate 12V source, with a maximum rating of 12V/1A.

TESTING INSTALLATION

Test the DOOR PHONE connection by pressing the Call Button on the Door Phone. Your telephones should now all RING. Have someone answer any telephone and then communicate. The Door Phone has been factory preset for maximum performance, but may need to be adjusted for specific site conditions (see below).

IMPORTANT NOTE

You should test the CONNECTION by using a TELEPHONE INSIDE THE PREMISES (preferably not a cordless phone). If you use a Cordless Phone, you cannot use it right next to the Door Phone, as you will only receive communication in 1 direction. You will need to walk away until you can communicate both ways.

DOOR PHONE TRIMPOT

There is a BALANCE TRIMPOT on the rear of the Door Phone which may need to be adjusted for your environment if you do not achieve audio communication in both directions or if your communication is not clear.

This trimpot adjusts the BALANCE between the Microphone and the Speaker. It DOES NOT alter volume. The TRIMPOT is preset at the factory but it might need adjustment to allow for site specific conditions.

If the TRIMPOT is not set correctly, you may experience 'clipping' of speech or you may only receive communication in 1 direction. The trimpot is accessed with a small screwdriver via a hole on the rear of the Door Phone.

TRIMPOT ADJUSTMENT

- 1) Turn OFF Door Phone Call Advice Tones if they are enabled.
- 2) You should set the Trimpot to the centre of its rotation range (it is a 3/4 turn pot).
- 3) Adjust the POT a small amount in 1 direction and test audio communication quality. If it is improving, carry out a further small adjustment in the same direction and re-test. If quality is becoming worse, please adjust the POT in the other direction and continue with small adjustments until the best communication quality is achieved. Clockwise biases to Door Phone. Anti-Clockwise biases to Telephones.