

Innovative DOOR STATION Solutions

**When a visitor arrives at
your front door or gate
we ring...**

**Your mobile
when you
are out**



**Your normal
telephones
in your home**



**Your PABX
system in
your office**



Natcomm
AUSTRALIAN INNOVATION



Communicating with your visitors is now easy!

Door Station Line Sharers

Our Australian Made Door Station devices are designed to provide reliable, high quality solutions for a wide range of Residential and Office applications, at incredibly affordable prices.

For residential telephone line users, our equipment will RING all TELEPHONES on the telephone line when the call button is pressed on the attached door phone. Our controller will ring the phones with a different ring pattern so you will know that the call is from the door phone and all you need to do is to answer any ringing telephone, to achieve loud and clear communication with your visitor. See pages 4-5.

For PABX Multi-Line telephone system users, our equipment can either RING a specific line on the PABX or it can activate the HOT DIAL programming of a PABX to initiate a specific programmed ringing sequence, when the call button is pressed on the attached door phone. Users need only answer their PABX handset to communicate with the visitor. See pages 6-9.

Our equipment also provides for door or gate release, in 1 or 2 separate zones, by pressing 'touch tones' on any telephone. A wide range of door phone intercom options are provided, all of which will work with any of our controllers. If you integrate our solution with a suitable home automation system, you can even have a photo or streaming video of your visitors sent to your smart phone. If more than 2 Electric Locks need to be controlled, then you can use our new LCU units (see page 14) to provide for an unlimited number of DTMF controlled relays.

New For 2011

New Stainless Steel Surface Mounting kits are available for ALL Door Phones

All Door Phones can now be Surface Mounted if required. Stainless Steel Surface Mount Kits are available for all DP2 to DP5 Door Phones, for both Vertical and Horizontal Door Phone mounting.

New Look DS Controllers with easy Mount Wall Brackets

A new plastic injection moulded case with a matching wall mount bracket has been introduced to allow for quick and easy wall mounting of our DS Controllers.

New DP5 Door Phone with integrated Pedestrian Access Keypad.

Our new DP5 Door Phone integrates the features a pedestrian access keypad with a door phone. Two separate Dry Contact Relays are provided to allow for independent control of Two separate zones. A REX input option instead of the Second Relay will be available in early 2012. DP5 is a standard size door phone with a polymer coated 316 marine grade stainless steel fascia plate. It is designed for vertical orientation only.

New Pedestrian Access Keypad with Remote Push button input (REX)

December 2011: New Stand Alone Pedestrian Access Keypads will be released. They are designed for Flush Mounting, or can be Surface Mounted if the optional SMK1 Surface Mount Kit is purchased. A touch sensitive Keypad is used to provide for maximum weather proofing and long term reliability. Our KP series Keypads have a single dry contact relay with programmable time closure. Up to 99 access codes can be programmed (4 to 6 digits). Separate REX input provides for connection of a remote push button switch.



Door Phone Options

Model DP1

- Surface mounting door phone
- Plastic injection moulded casing
- 2 Wire connectivity
- Basic audio clarity and volume
- Budget solution



(H) 132 mm
(W) 100 mm

Model DP2

- Flush mounting door phone – compact size.
- Vertical & Horizontal Surface Mounting Kits are available. (See page 15)
- High Quality 316 marine grade stainless steel fascia.
- 4 Wire connectivity
- Premium audio clarity and volume
- Capacitive 'touch switch' activation
- Available with touch switch aligned for horizontal or vertical orientation



(H) 107 mm
(W) 204 mm

Model DP3

- Flush mounting door phone – industry standard size
- Vertical & Horizontal Surface Mounting Kits are available. (See page 15)
- Mounting facility for a camera (camera not supplied)
- High Quality 316 marine grade stainless steel fascia.
- 4 Wire connectivity
- Premium audio clarity and volume
- Capacitive 'touch switch' activation
- Available with touch switch & camera aligned for horizontal or vertical orientation



(H) 264 mm
(W) 130 mm

Model DP4

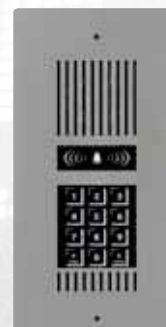
- Flush mounting door phone – industry standard size
- Vertical & Horizontal Surface Mounting Kits are available. (See page 15)
- Incorporates a low light, high resolution CCD colour camera
- High Quality 316 marine grade stainless steel fascia.
- 4 Wire connectivity
- Premium audio clarity and volume
- Capacitive 'touch switch' activation
- Available with touch switch aligned for horizontal or vertical orientation



(H) 130 mm
(W) 264 mm

Model DP5

- Flush mounting door phone – industry standard size
- Vertical Surface Mounting Kit is available. (See page 15)
- Incorporates an integrated touch sensitive pedestrian access keypad
- High Quality 316 marine grade stainless steel fascia.
- 4 Wire connectivity
- Premium audio clarity and volume
- Capacitive 'touch switch' activation
- Available in vertical orientation only



(H) 264 mm
(W) 130 mm

All door phones are designed to be highly weather resistant. If the door phone is exposed to direct rain, it is recommended that you use a door phone cover for flush mounted door phones or use a surface mount kit which incorporates a rain deflector. (See page 15)

Connect ONE or TWO Door Phones to your Ordinary Single Telephone Line

These DOOR STATION controllers are designed to operate with your ordinary (residential type) PSTN telephone line. They are also suitable for sites that do not use a telephone line, such as VOIP users or households that only use Mobile Phones (see page 16).

ONE or TWO of our range of surface mount or flush mount DOOR PHONES can be connected direct to the DOOR STATION controller. The door phones can be up to 300 metres from the door station controller (the total distance of 1 or 2 door phones).

When a visitor presses the call button on the door phone, our door station controller will RING all the TELEPHONES on your line with a different ring so that you will know the call is from the door phone. All you need to do is to answer any telephone to achieve loud and clear communication with your visitor. There are no call charges.

If you are already on a telephone call, the DS controller will alert you with a call advise tone every 15 seconds. You can then place your telephone call ON HOLD and speak to your visitor by pressing ##. You can then return to your telephone caller when ready by pressing ## again. Similarly, if you are on a door phone call when an incoming telephone call is present the same procedure applies.

Model DS2 incorporates an internal relay which can be used to open or release a door or gate lock. Lock release time is fully programmable.

Models DS3 and DS6 provide two internal relays which can be used to open locks in two separate areas (eg; one at your front gate and one at your front door). The second relay in both these models can alternatively be used to SWITCH ON a light, a video camera/recorder or any other electrical device as soon as the call button is pressed on the door phone and then SWITCH THEM OFF after the call is complete.

Model DS6 has the ability to DIAL OUT to your mobile phone (or any other programmed telephone number) when you are not home and connect you to your visitor at the door phone (normal call charges apply). You will then be able to converse with your visitor and even let them in if you wish.

If you have a SECURITY ALARM or HOME AUTOMATION system, you can use the second relay of model DS3 or DS6 to interface to it and with suitable equipment you can even have a photo or streaming video of your visitors sent to your smart phone. An Alarm Interface Module (AIM) accessory is also available to automatically set your DS6 to attended or unattended call mode. See page 14 for further details.



MODEL DS1

- PSTN Connection
- No Lock Control



MODEL DS2

- PSTN Connection
- Single Lock Control



MODEL DS3

- PSTN Connection
- Dual Lock Control



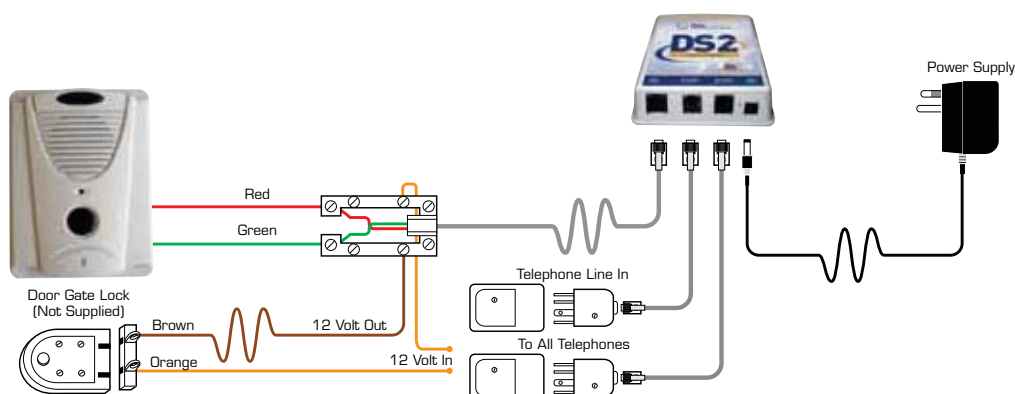
MODEL DS6

- PSTN Connection
- Dual Lock Control
- Automatic Dial Out Facility

See door station controller selection chart on page 12

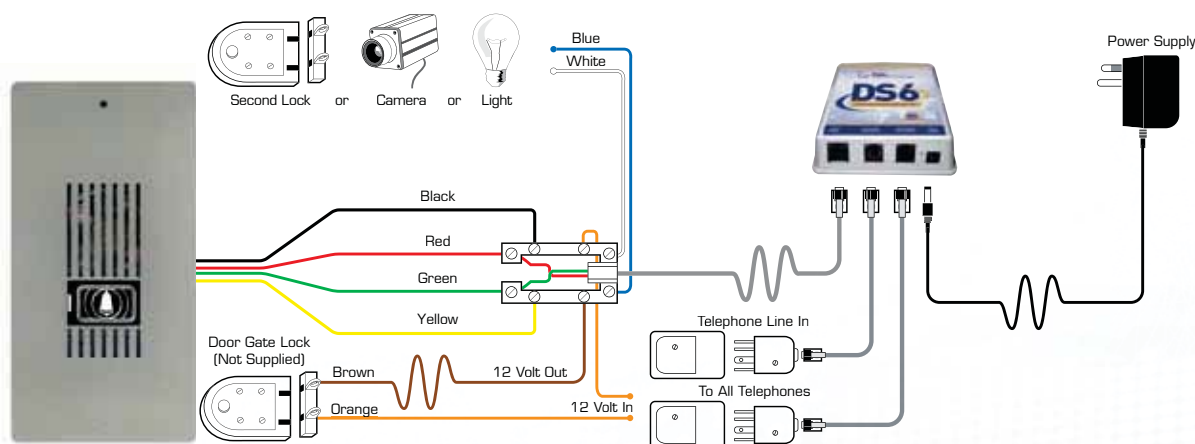
Installation Diagram

2 Wire Door Phone with Single Lock Connection



Installation Diagram

4 Wire Door Phone with Dual Lock Connection



- You can use any door phone with any door station controller.
- Our DP1 surface mounting door phone uses a 2 wire communication method.
- Our DP2 to DP5 flush mounting door phones use a 4 wire communication system for enhanced audio volume and clarity.
- Our DP2 to DP5 flush mounting door phones can also be surface mounted when the SMK2 or SMK3 are used. Our SMK2 and SMK3 kits are available for both horizontal (H) and vertical (V) mounting.
- A screw terminal break out box (as illustrated) is supplied with each unit to provide for easy lock release connection. If lock release is not required, you can bypass the break out box and connect direct to the door phone using normal telephone cable such as CAT5.
- The door station controller must be fitted by a technician at the first point (or socket) of your telephone line.
- If ADSL is used on the same line, a single 'central style' ADSL filter should be fitted ahead of our door station controller.
- If a security alarm is used on the same line, it should also be fitted ahead of our door station controller. The optional AIM (Alarm Interface Module) when used in conjunction with the DS6 controller will automatically set the Dial Out function between Attended and Unattended operation.

Connect ONE or TWO Door Phones to your PABX or Multi-Line Telephone System

Our DS4, DS5 and DS6 Model DOOR STATION controllers are designed to connect to an analogue extension of your PABX or other multi-line telephone system.

You can then connect ONE or TWO of our range of surface mount or flush mount DOOR PHONES direct to the controller. The door phones can be up to 300 metres from the door station controller (the total distance of 1 or 2 door phones).

When the call button of either door phone is activated, our DS4 or DS5 unit will generate an off hook condition to your PABX, which can then direct your door phone call as required. (The PABX should be set to HOTDIAL this extension).

Model DS6 can dial through to a pre-programmed internal or external number, if your PABX cannot.

The door station controller will then terminate the call as soon as the called party hangs up.

Communication is loud and clear, just like a phone call and there are NO call charges, unless the call is routed to an external number.

Model DS5 incorporates an internal relay which can be used to open or release a door or gate lock. Lock release time is fully programmable.

Model DS6 provides two internal relays which can be used to open locks in two separate areas (eg; one at your front gate and one at your front door).

The second relay can alternatively be used to SWITCH ON a light, a video camera/recorder or any other electrical device as soon as the call button is pressed on the door phone and then SWITCH THEM OFF after the call is complete.

Door station controllers can also connect to a PABX Line/Trunk Input. See pages 8-9.
See door station controller selection chart on page 12



MODEL DS4

- PABX Extension Connection
- No Lock Control



MODEL DS5

- PABX Extension Connection
- Single Lock Control



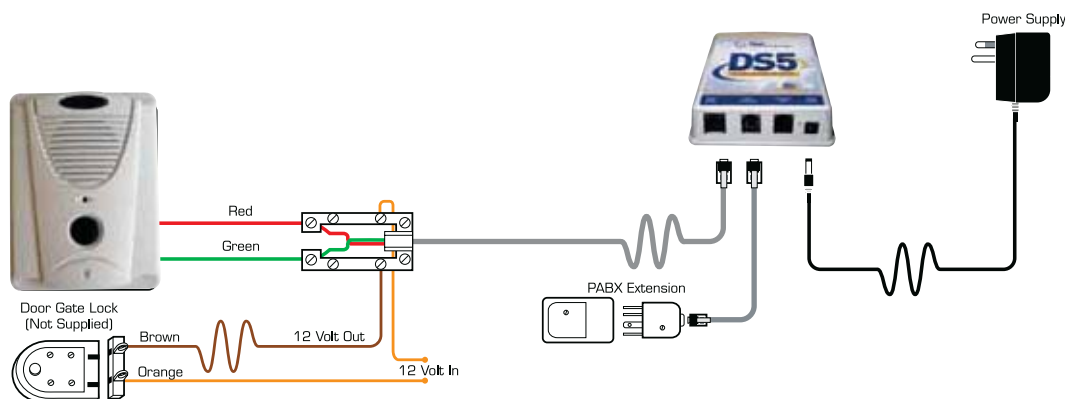
MODEL DS6

- PABX Extension or PSTN Connection
- Dual Lock Control
- Automatic Dial Out Facility



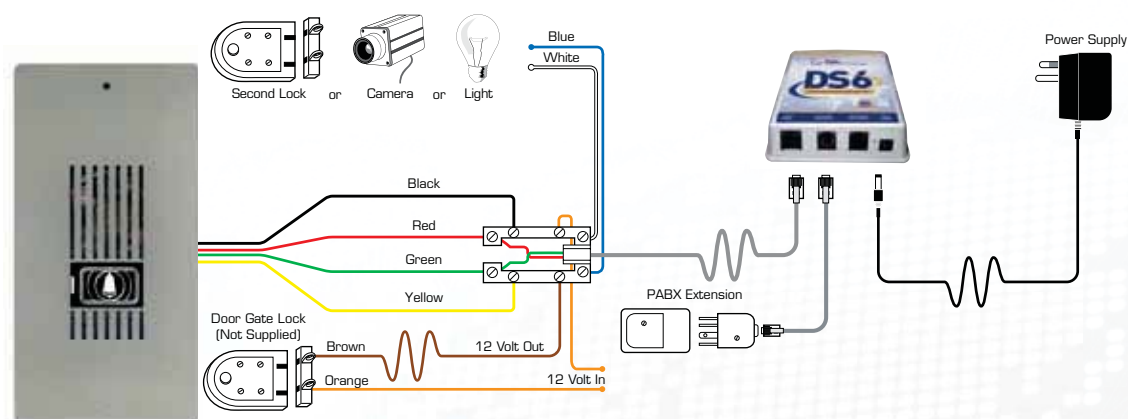
Installation Diagram

2 Wire Door Phone with Single Lock Connection



Installation Diagram

4 Wire Door Phone with Dual Lock Connection



- You can use ANY door phone with ANY door station controller.
- Our DP1 surface mounting door phone uses a 2 wire communication method.
- Our DP2 to DP5 flush mounting door phones use a 4 wire communication system for enhanced audio volume and clarity.
- Our DP2 to DP5 flush mounting door phones can also be surface mounted when the SMK2 or SMK3 are used. Our SMK2 and SMK3 kits are available for both horizontal (H) and vertical (V) mounting.
- A screw terminal break out box (as illustrated) is supplied with each unit to provide for easy lock release connection. If lock release is not required, you can bypass the break out box and connect direct to the door phone using a normal telephone cable such as CAT5.

PABX Business Telephone System Solutions Line Trunk or Trunk Input Connection

The door station controllers described on page 4 can also be used with a PABX business telephone system.

In this application our door station controller connects to a telephone line immediately ahead of the PABX telephone system. The last line is normally selected, as it is usually the least used (see option 2 installation on page 9).

If your telephone system has the capacity to have additional telephone lines connected to it, then our door station controller can connect to one of these unused line inputs (called line trunk inputs). It is not necessary to have an actual telephone line connected on this line input (see option 1 installation on page 9).

The advantage of this alternative connection method is that the door phone will have its own unique line number, easily identified on your telephone handsets or 'door phone call' can usually be displayed on handsets with displays.

You can then connect ONE or TWO of our range of surface mount or flush mount DOOR PHONES direct to the DOOR STATION controller. The door phones can be up to 300 metres from the door station controller (the total distance of 1 or 2 door phones).

Communication is loud and clear, just like a phone call and there are NO call charges, unless the call is routed to an external number.

Model DS2 incorporates an internal relay which can be used to open or release a door or gate lock. Lock release time is fully programmable.

Models DS3 and DS6 provide two internal relays which can be used to open locks in two separate areas (eg; one at your front gate and one at your front door).

The second relay in both these models can alternatively be used to SWITCH ON a light, a video camera/recorder or any other electrical device as soon as the call button is pressed on the door phone and then SWITCH THEM OFF after the call is complete.



MODEL DS1

- PSTN Connection
- No Lock Control



MODEL DS2

- PSTN Connection
- Single Lock Control



MODEL DS3

- PSTN Connection
- Dual Lock Control

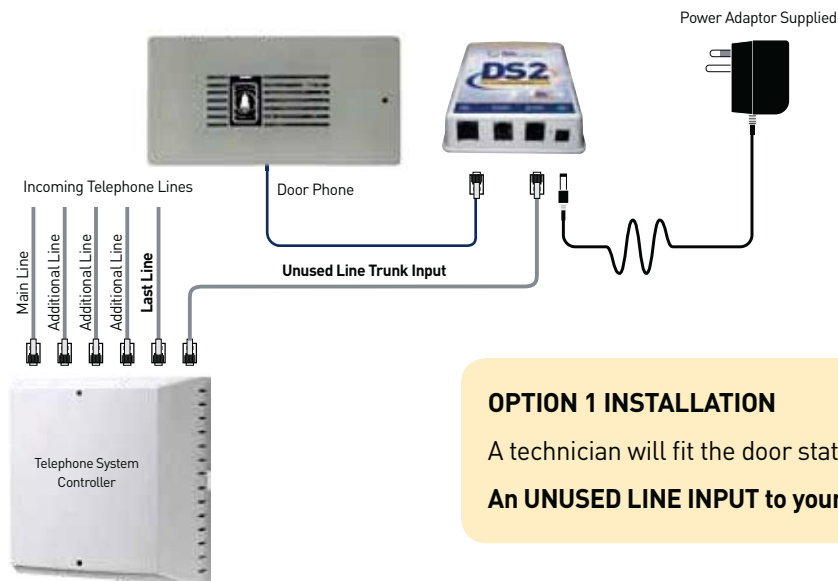


MODEL DS6

- PSTN Connection
- Dual Lock Control
- Automatic Dial Out Facility



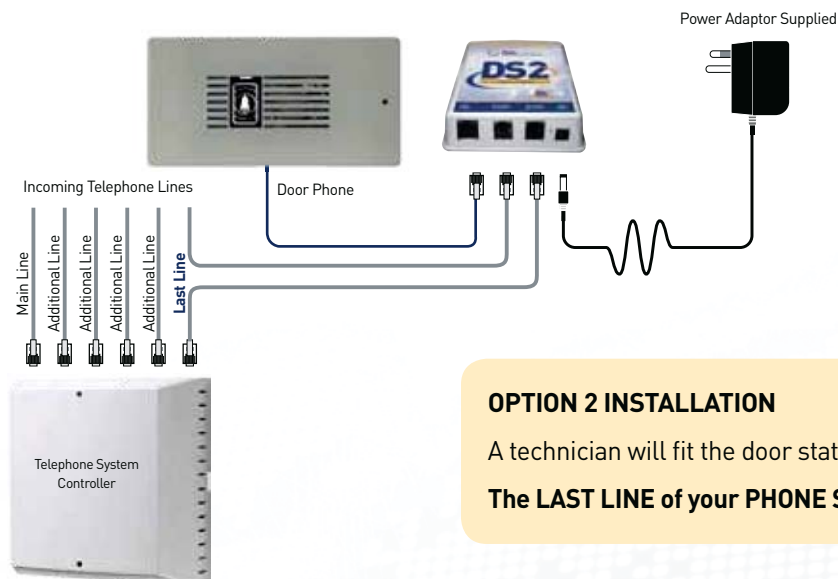
Line Trunk Installation Options



OPTION 1 INSTALLATION

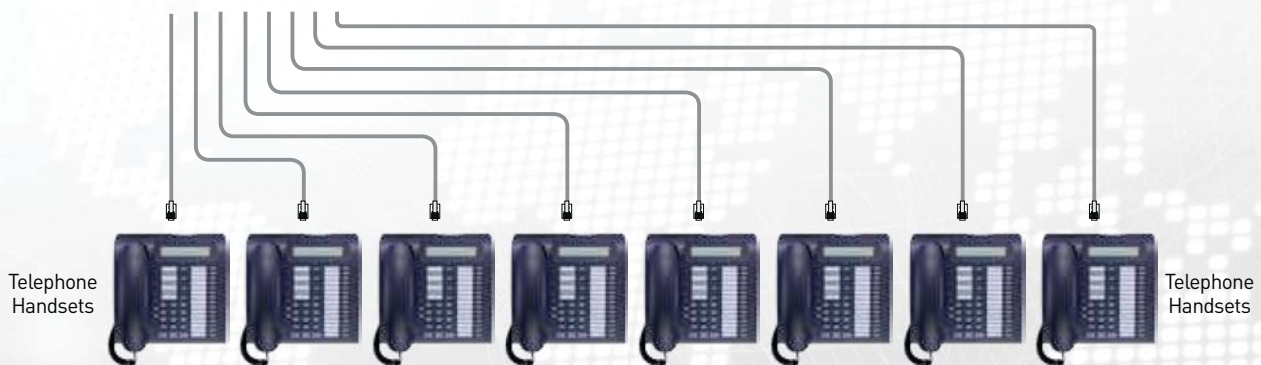
A technician will fit the door station controller to:
An UNUSED LINE INPUT to your PHONE SYSTEM.

OR



OPTION 2 INSTALLATION

A technician will fit the door station controller to:
The LAST LINE of your PHONE SYSTEM.



Important Note – some phones systems use Digital ISDN lines. Our door station controller is not suitable for use with these lines. If you are using ISDN lines you will need to use a DS4, DS5 or DS6 controller, connected to an analogue extension as outlined on page 6.

Telephone Based Door Phone Solutions



There are some applications where use of a conventional analogue telephone handset is a preferred solution to the use of an intercom style door phone.

INDUSTRIAL TRUCK STOPS

The background noise from a noisy idling truck will usually drown out effective communication with a traditional intercom style door phone.

The most effective solution is to use a rugged noise cancelling industrial telephone with a long robust handset cord, placed on a mounting located at the correct height for truck drivers to easily access.

Having the noise cancelling microphone of the handset right next to the visitors mouth and the speaker of the handset right next to the visitors ear is the MOST effective means of reliable communication in these noisy environments.

To initiate the door phone call, all the driver needs to do is lift the receiver (go off-hook). Our DS7, DS8 or DS9 controller will detect this and then RING or ROUTE the door phone call as per your requirements.

Upon answer, both parties will be able to converse normally (at telephone call quality) and the answering party can OPEN the gate by pressing ** on their telephone handset. The internal lock control relay(s) can be programmed to operate with all types of industrial gates.

HOT DIAL APPLICATIONS for EMERGENCIES or CONVENIENCE

There are many applications where a single pre-programmed number will need to be dialed quickly and automatically from a Telephone handset which does not have conventional dialing keys to prevent unauthorised use :

- Emergency Dial Telephones in Industrial Situations,
- Taxi Phones,
- Reception Phones etc.

Our Model DS9 Controller is ideal for this application, as it can be :

- Quickly and easily programmed to dial a specific Telephone Number
- Programmed to Limit the Time of a call
- Has TWO Internal Relays which can be used to automatically activate other electrical equipment, such as lights, video recorders, electric doors, sirens etc as soon as the handset is lifted to make a call, or upon DTMF activation by the Answering Party.



MODEL DS7

- PSTN Connection
- Single Lock Control



MODEL DS8

- PABX Extension Connection
- Single Lock Control

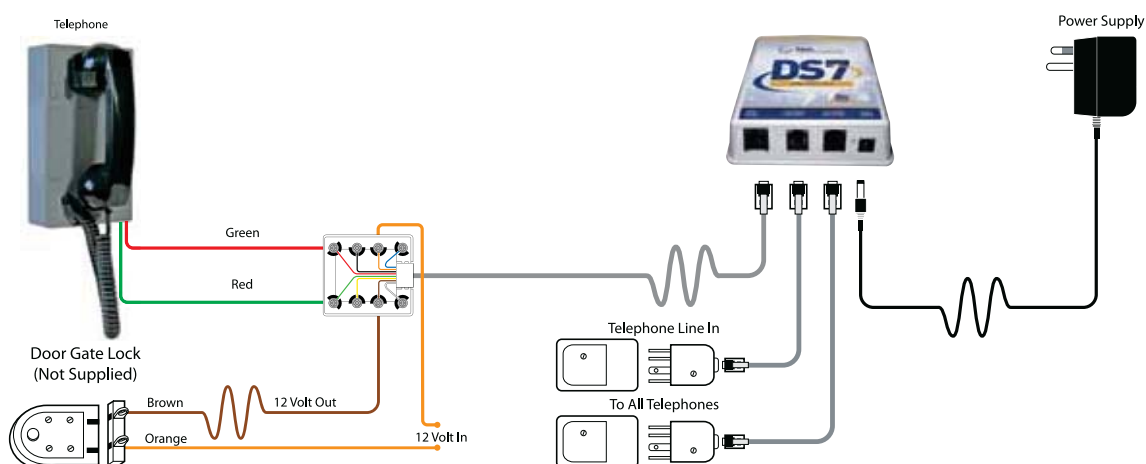


MODEL DS9

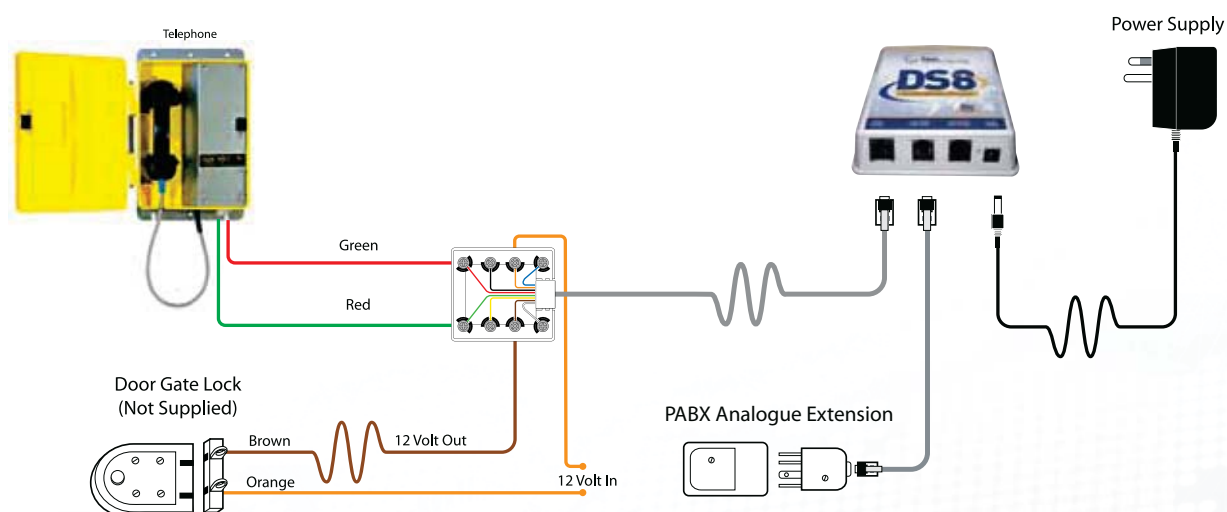
- PSTN Connection
- Dual Lock Control
- Automatic Dial Out Facility



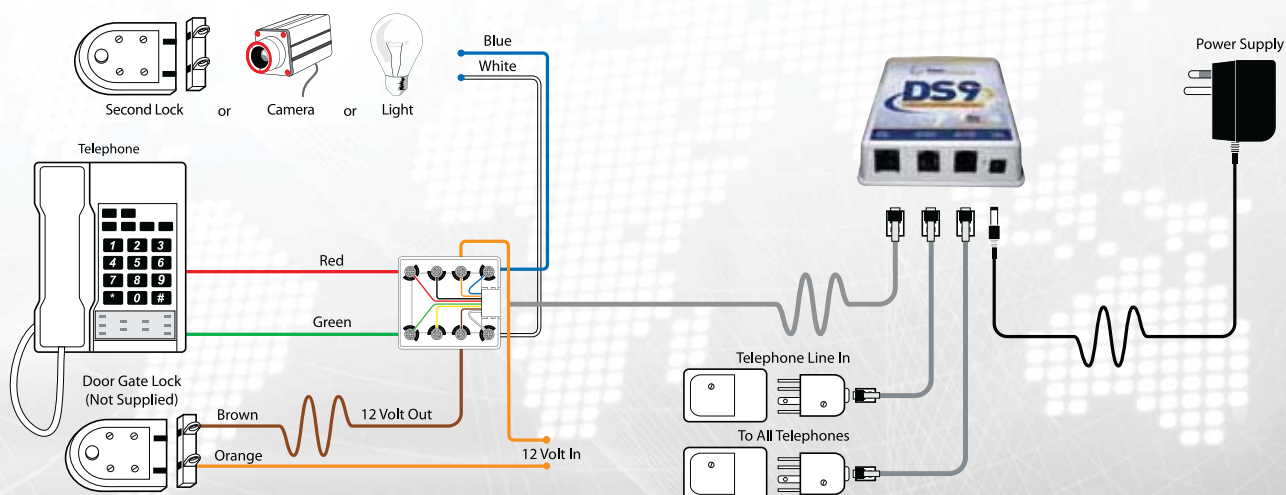
DS7 Installation Diagram (PSTN)



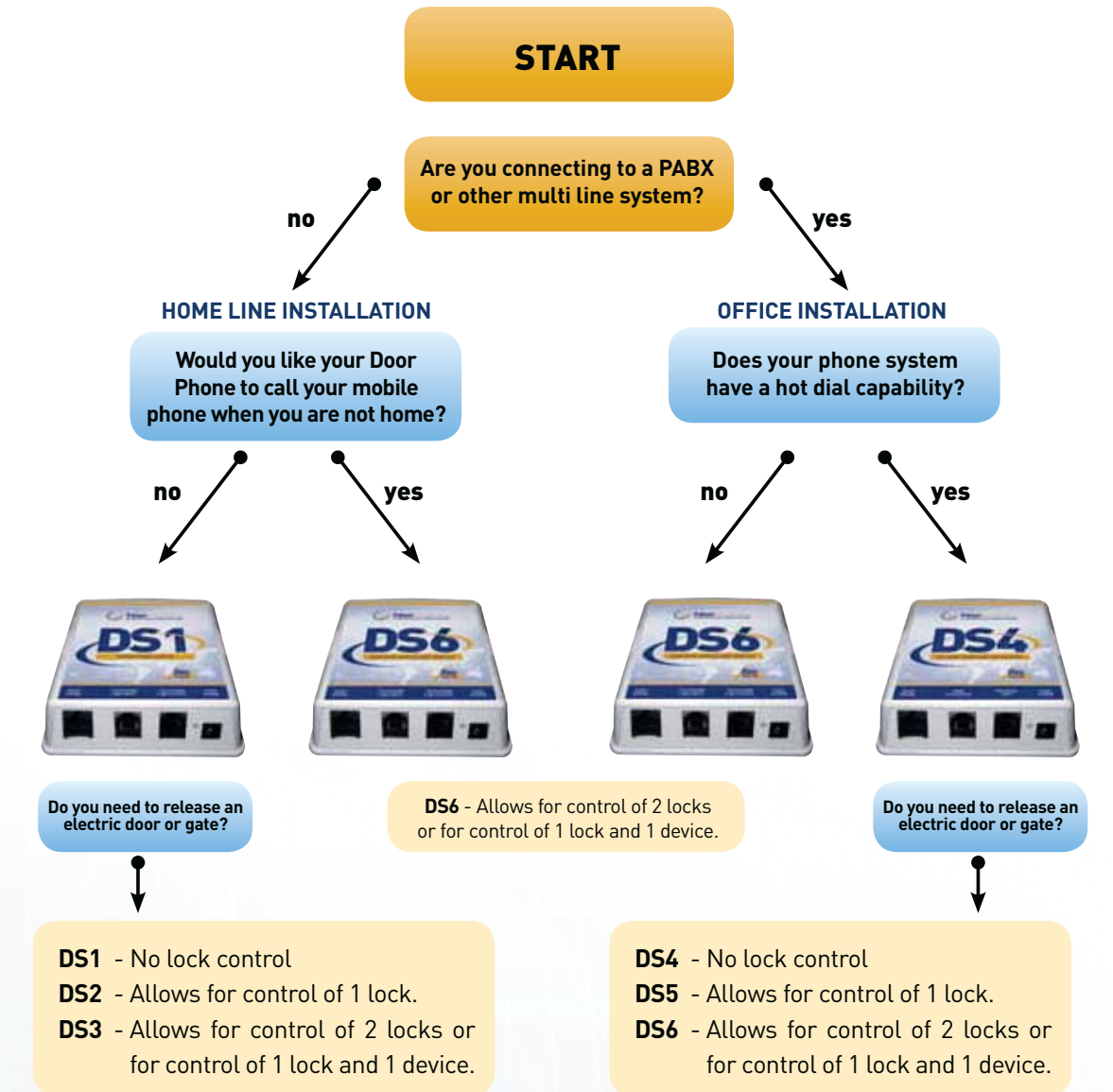
DS8 Installation Diagram (PABX)



DS9 Installation Diagram (PSTN or PABX)

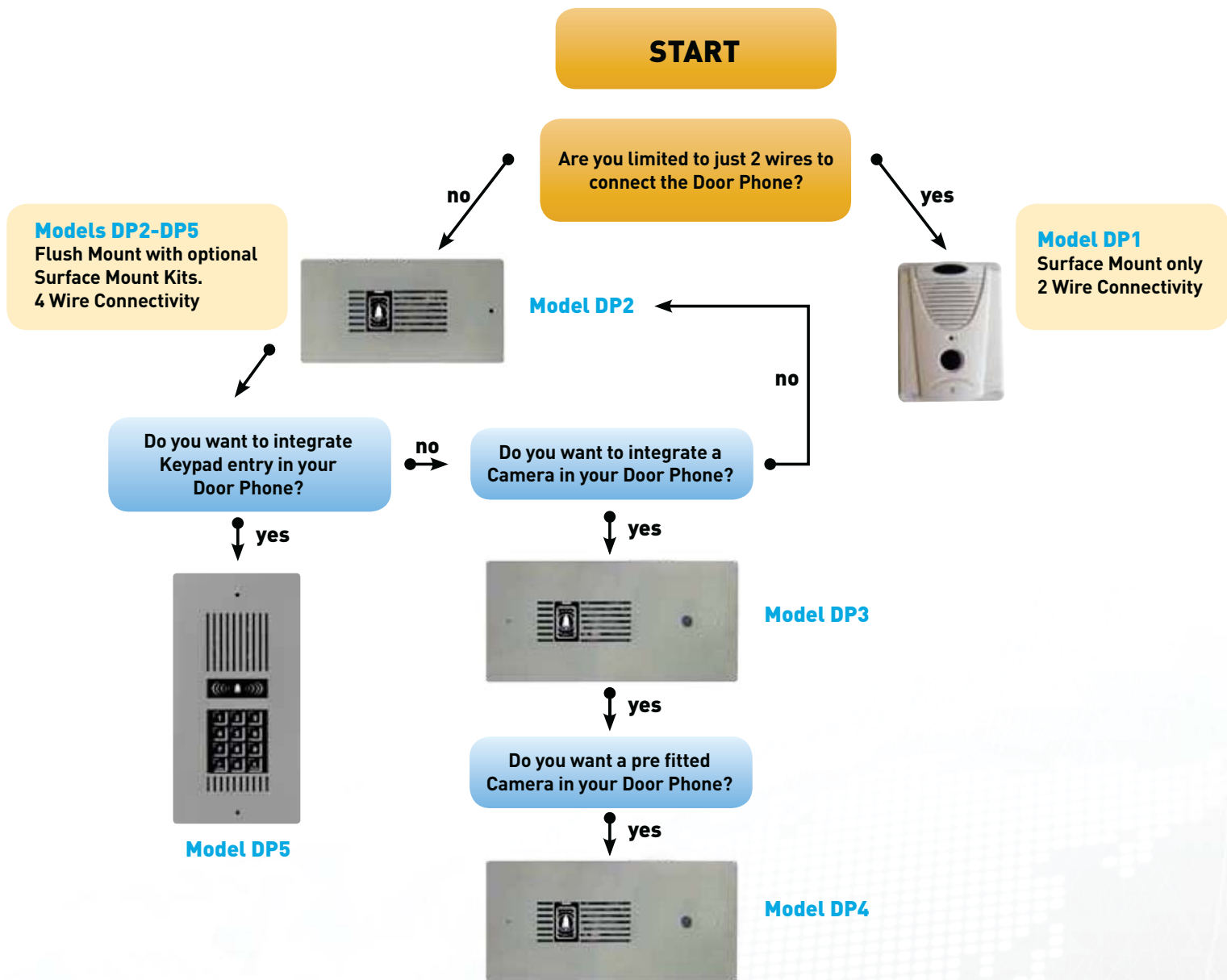


Door Station Controller Product Selection Chart



MODEL	Lock Control	PSTN Line Connection	PABX Extension Connection	PABX Trunk Input Connection	External Dial Out Facility
DS1	NONE	YES	NO	YES	NO
DS2	1	YES	NO	YES	NO
DS3	2	YES	NO	YES	NO
DS4	NONE	NO	YES	NO	NO
DS5	1	NO	YES	NO	NO
DS6	2	YES	YES	YES	YES

Door Phone Intercom Product Selection Chart



MODEL	Mounting Method	2 Wire/ 4 Wire Audio Performance	Size and Orientation	Fascia Plate	Special Features
DP1	Surface Mount	2 Wire Basic Quality	Compact Size Vertical Only	Plastic Injection Molded Case	
DP2	Flush Mount Surface Mount Option	4 Wire Premium Quality	Compact Size Vertical & Horizontal	316 Marine Grade Stainless Steel with Polymer Coating	
DP3	Flush Mount Surface Mount Option	4 Wire Premium Quality	Standard Size Vertical & Horizontal	316 Marine Grade Stainless Steel with Polymer Coating	Camera Hole & Mounts
DP4	Flush Mount Surface Mount Option	4 Wire Premium Quality	Standard Size Vertical & Horizontal	316 Marine Grade Stainless Steel with Polymer Coating	Integrated Camera
DP5	Flush Mount Surface Mount Option	4 Wire Premium Quality	Standard Size Vertical Only	316 Marine Grade Stainless Steel with Polymer Coating	Keypad Access

Pedestrian Access Keypads

From December 2011, stand alone keypads will be available for use with all of our Door Phones. They have a single programmable relay and separate REX (Remote Switch) inputs. These keypads are rectangular in shape so that they can be used with either our compact DP2 Door Phones or our Industry Standard sized DP3 and DP4 Door Phones. The orientation of the keypad is different for individual models.

- KP2-V** - for use with a vertically mounted DP2 Door Phone
- KP2-H** - for use with a horizontally mounted DP2 Door Phone
- KP3-V** - for use with a vertically mounted DP3 or DP4 Door Phone
- KP3-H** - for use with a horizontally mounted DP3 or DP4 Door Phone



Intelligent Touch Tone controlled Relays for Access Control

Our LCU lock control units are intelligent programmable devices with either 1 or 2 internal dry relay contacts, which can be used to control an external device or provide for access or lock control. They are designed to connect to the telephone line in parallel, at any point and you can fit multiple units to a single line. Codes can be any 1 to 4 digit number and the relay can close from 1 to 99 seconds when the code is detected

- Model LCU-1** - provides for control of 1 dry relay contact.
- Model LCU-2** - provides for independent control of 2 dry relay contacts



MODEL LCU1
• 1 relay contact



MODEL LCU2
• 2 relay contacts

Alarm Interface Module

Our inexpensive AIM alarm interface module accessory is designed to operate with our model DS6 door station controller and any security alarm system that provides a set of external contacts that close or open whenever the alarm is enabled or disabled. DS6 has the ability to DIAL OUT and connect a visitor that has pressed the call button on any of our door phones to a pre-programmed telephone number (usually a mobile telephone) if the site is unattended. By incorporating the AIM accessory with the alarm panel, DS6 can be instructed to DIAL OUT IMMEDIATELY whenever the alarm is enabled and to RING internally when the alarm is disabled.



MODEL AIM

Door Phone Accessories

Surface Mounting Kits

Stainless Steel Surface Mounting Kits, with rain deflector are available for the KP Series Keypad and all DP2-DP5 door phones.

- Model SMK1** - is made for the KP1 Keypad.
 - order SMK1-V : When the Keypad is to be mounted vertically
 - order SMK1-H : When the Keypad is to be mounted horizontally
- Model SMK2** - is made for the DP2 Door Phone
 - order SMK2-V : When the Door Phone is to be mounted vertically
 - order SMK2-H : When the Door Phone is to be mounted horizontally
- Model SMK3** - is made for the DP3, DP4, DP5 Door Phones
 - order SMK3-V : When the Door Phone is to be mounted vertically
 - order SMK3-H : When the Door Phone is to be mounted horizontally



Door Phone Covers

Are available for all door phones and are recommended whenever a flush mounted door phone is exposed to direct rain.

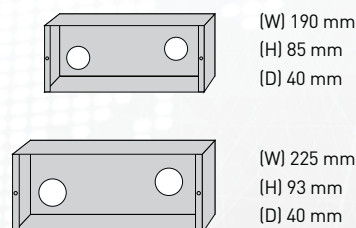
- Model DPC1** - is made for the DP1 door phone which is always mounted vertically
- Model DPC2** - is made for the DP2 Door Phone
 - order DPC2-V : When it is to be mounted vertically
 - order DPC2-H : When it is to be mounted horizontally
- Model DPC3** - is made for the DP3, DP4, DP5 Door Phones
 - order DPC3-V : When it is to be mounted vertically (DP3, DP4 & DP5)
 - order DPC3-H : When it is to be mounted horizontally (DP3 & DP4)



Wall Mount Boxes

Are available for all flush mount door phones and are designed to make installation quicker and easier.

- Model WMB2** - is made for the DP2 flush mount door phone
- Model WMB3** - is made for the the DP3, DP4, DP5 flush mount door phones.



ADSL Filters

It is important that you fit a high quality ADSL filter ahead of your door station controller unit (and security alarm if used). There are 2 models that we recommend :

Model C10-1 ADSL Filter Splitter

Suitable for sites with few (up to 4) telephone devices connected to the line.

Model C10-2 Central Style ADSL Filter Splitter

Recommended for sites with numerous telephone devices connected to the line and or a security alarm system.





CUSTOM
ELECTRONIC
DESIGN &
INSTALLATION
ASSOCIATION

Member

Operation at sites without a Telephone Line

Our Door Station equipment can also be used at sites which do not use an incoming Telephone Line. This is ideal for VOIP users and households that only use Mobile Phones.

In this situation, your cordless or standard telephones can still be used to receive Door Phone calls. They connect to the Door Station Controller as normal and operation remains unchanged including the ability to open a gate or lock. However, without a telephone line it is no longer possible to connect door phone calls to an external number or mobile phone.

Operation with ADSL

Our door station products are designed to operate with an ADSL service. They will not affect your ADSL service and your ADSL service will not affect the operation of our devices.

It is essential that you use a high quality ADSL filter/splitter on your telephone line ahead of our controller. We recommend the use of C10 brand ADSL filters. See page 15.

Operation with CallerID

Our Door Station products are designed to operate with a CallerID service.

Operation with Simulated Telephone services

Our products are designed and guaranteed to operate with standard PSTN telephones lines and PABX Telephone Systems.

We are unable to guarantee the operational reliability of our products on simulated telephone line services such as those provided via Cable or ATA devices, because the operation of our products depends on the accuracy of the simulated services.

Reseller Details



National Communications

Australia's Telephone Line Sharing Company

Designed and Manufactured in Australia

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