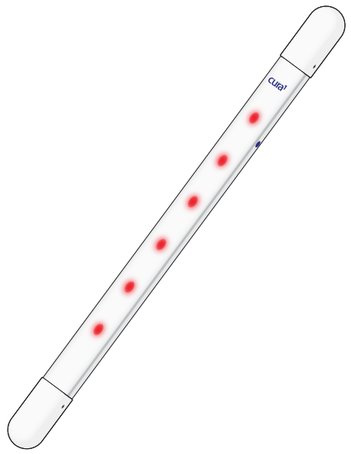
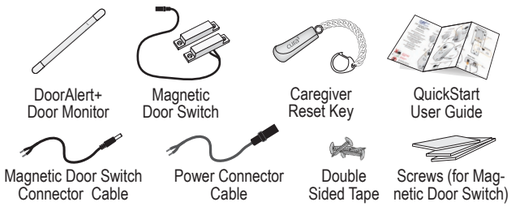
# 2900 DoorAlert+ Door Monitor



### What's in the box?




### Compatible & Optional Accessories

2900 DoorAlert+ Door Monitor (included)
2901 Wristband Transmitter
2569 Single Use Wrist Strap
2575 Caregiver Reset Transmitter
2642 Caregiver Reset Key (included)
2404 Plug Pack 12 VDC 2 A
3501 ActiveCare LCD Pager
2434 SmartGuard Key Pad


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**1300-12-CARE (2273)**



UM-049b



All our products are supplied with a full warranty and are guaranteed to be free from defects in material and workmanship.


# QUICK START GUIDE

Note: A 2404 Plug Pack and a 2901 Wristband Transmitter are required for setup and operation.

## Step 1

### Install 2900 DoorAlert+ Door Monitor Near the Door

Use the supplied double sided adhesive tape to fix the Door Monitor to the wall as close as possible to the door handle side of the door, with its mid-point at a height of approximately 1 m.

Avoid fixing the Door Monitor immediately next to metal objects such as metal cabinets as these can affect the detection field of the door monitor system.

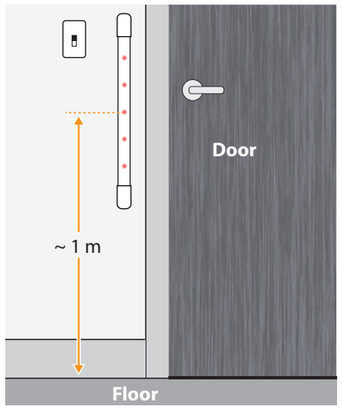



*Figure 1*

## Step 2

### Remove Top Cover to Access Connection Terminals & Switches

Use a small phillips head screwdriver to remove the two screws that fix the Door Monitor cover to the top of the monitor then slide the cover up to remove it.

The PC board can now be slid up to access the connection terminals.

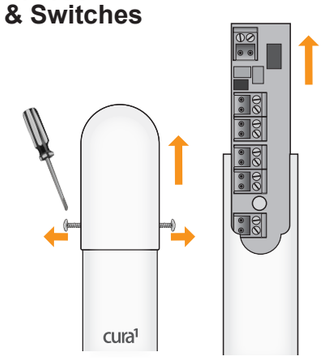



*Figure 2*

## Step 3

### Connect Power Supply

**Important: Identify the striped wire of the *Power Connector Cable*. The bare metal end of this wire must be inserted into the negative "12V(-)" terminal.**

Insert the non-striped bare metal end of the *Power Connector Cable* into the terminal marked "12V(+)" and tighten both with a small flat head screwdriver.

Plug the 12 V Plug Pack into the *Power Connector Cable* from the Door Monitor.

**Note:** Don't plug the 12 V Plug Pack into a 240 V mains outlet at this stage. This happens after Step 4.

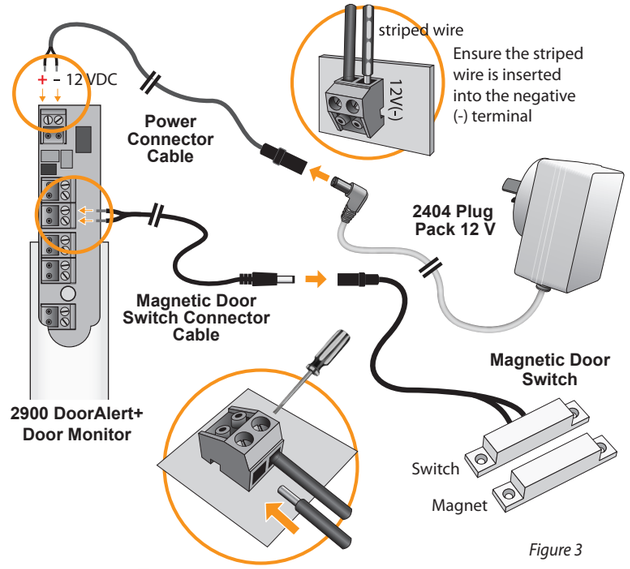



*Figure 3*

## Step 4

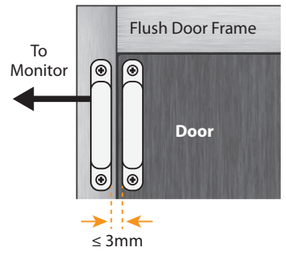
### Install Magnetic Door Switch

The Magnetic Door Switch informs the system whether or not the door is open. If the door is open when a monitored person approaches, then the Door Monitor alarms but if the door is closed then the Door Monitor does not alarm.

If the Door Switch is not used then the Door Monitor will always alarm when a monitored person comes within detection range.

Using the supplied double sided tape fix the Magnetic Door Switch switch element to the door frame and the magnet element to the opening end of the door (not the hinged end).

**Door frame is flush with door**




**Door is recessed from the door frame**

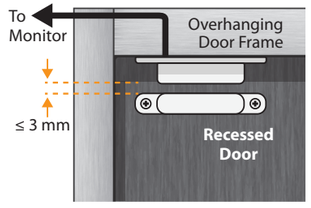



*Figure 4*

Position the switch & magnet so that they do not touch but are within 3 mm of each other when the door is closed.

Door Switch can also be secured with the supplied screws (optional).

Insert the bare metal ends of the *Magnetic Door Switch Connector Cable* into the terminals marked "Door" and "12V(-)" on the same terminal block, then tighten with a small flat head screwdriver. See *Figure 3*

## Step 5

### Activate a Wristband Transmitter

Plug the 12 V Plug Pack into a 240 V mains outlet and switch it on.

To activate a 2901 Wristband Transmitter, simply bring it to within 1 m of a powered-on Door Monitor for 4 seconds or until the 2901 Wristband Transmitter's Status LED (see *Figure 7*) flashes.

## Step 6

### Configuration

The Door Monitor is shipped with default settings that should be suitable in most situations but please check that they are suitable for you.

#### 5.1 Test Detection Range

With the Door Monitor installed in its final position and switched on, check that you can see a green *Status LED* blinking slowly to indicate "ready".

Fit an activated 2901 Wristband Transmitter to your wrist and move slowly towards the Door Monitor until you find the detection range of the monitor.

When the 2901 Transmitter moves within the detection range of the Door Monitor, the *Lock LED* on the monitor will illuminate red.

The default detection range is 1.4 - 2.1 m. If this needs to be adjusted please refer to instructions in the full manual.

#### 5.2 Set the Alarm Volume

The *Volume* switch has 3 settings: Hi/Low/Off. To test the volume open the door and bring a Transmitter within the Door Monitor's detection range. The "Off" setting is not recommended unless an external alarm is used.

#### 5.3 Pair Optional External Cordless Alarms

If an optional cordless external alarm is used (eg a 3501 Pager) then be sure to pair it with the Door Monitor. Consult the documentation that came with the alarm for instructions.

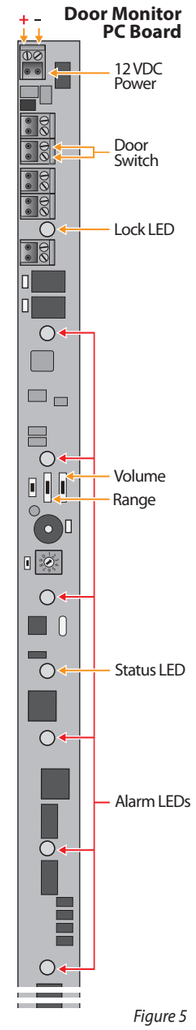



*Figure 5*

## Step 7

### Replace the 2900 Monitor Top Cover

If needed, use a sharp knife to cut a small port in the Top Cover for cable entry as illustrated.

When finished, slide the Top Cover back on and secure it with the cover screws.

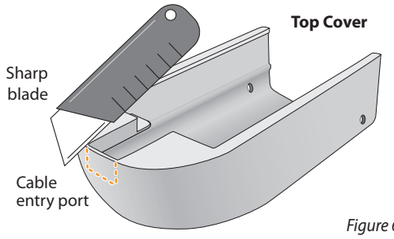
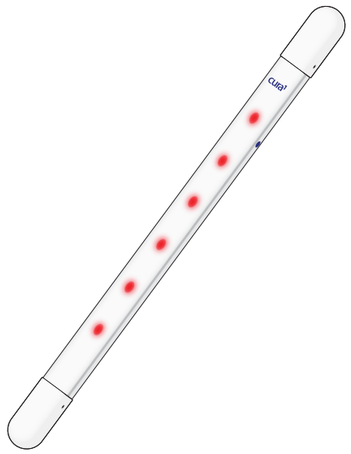



*Figure 6*

2900 Dooralert+ Door Monitor quick setup is complete.

# 2900 DoorAlert+ Door Monitor



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# OPERATION

### Test the System

To test the system by activating an alarm:
With the door open, slowly bring the transmitter close to the Door Monitor and check that the alarm is activated at the desired distance.

To test the system without activating the alarm:
Repeat the above with the door closed and note when the Door Monitor's *Lock LED* illuminates red.

### Attach Transmitter

Attach a 2901 Wristband Transmitter to the person requiring monitoring.

The 2901 Wristband Transmitter can be:
1. Worn as a wristband or pendant.
2. Placed in a pocket.
3. Clipped to clothing.

Note that the 2901 Wristband Transmitter is splash proof and can be worn in the shower when 2569 Single Use Wrist Straps are used.

Single Use Wrist Straps can be removed by cutting with scissors.

### Transmitter Low Battery

If the 2901 Transmitter battery life is low then its *Status LED* will flash every 5 seconds.

The transmitter's power management is extremely efficient and is guaranteed for at least one year of use.

### Reset After Alarm

Reset the Door Monitor after an alarm by touching a 2642 Caregiver Reset Key to the *Reset Point* which is indicated by a blue dot on the side of the Door Monitor.

There are additional ways to reset a Door Monitor using optional equipment. See *Additional reset options* in the *Advanced & Optional Features* section.

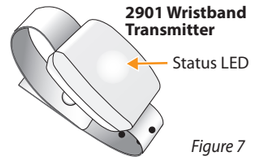



*Figure 7*

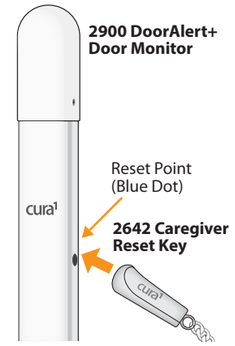



*Figure 8*

### Escort Mode (Pause)

Escort Mode allows a monitored person to pass through a protected door without activating an alarm.

To activate Escort Mode, touch a 2642 Caregiver Reset Key to the *Reset Point* on the Door Monitor. Detections will be paused for 15 seconds to allow a monitored person to pass through the door.

### Door Open Too Long Alarm

If a monitored door is open for more than 35 seconds (programmable) then the system will alarm even if there is no 2901 Transmitter in the detection zone.

Close the door and reset the Door Monitor to clear the alarm.

# ADVANCED & OPTIONAL FEATURES

To explore advanced and optional features of DoorAlert+ please see the full Technical Manual or consult your cura1 reseller.

### Two Monitors work together for double or wide doors

Two monitors can be configured to work as one unit.

For double doors or wide doors, two Door Monitors may be needed to cover the desired detection area.

### Electric door lock & lock time setting

Connect an electronic door lock to have the DoorAlert+ system manage access control by automatically locking the door when a 2901 Transmitter is within the detection area. The duration of the lock time after detection can be adjusted.

### Night Mode

To protect a facility at night DoorAlert+ can be configured to keep the door locked by default until a reset is triggered.

Alternatively a Door Monitor in Night Mode can have the door unlocked but alarm every time the door is opened regardless of the presence of a transmitter.

### Alarm triggers building security, nurse call system, &/or Pager

The DoorAlert+ system can be connected to an existing security system or optional wireless device such as a 3501 ActiveCare LCD Pager.

### Use with PIR sensor to protect an open corridor

A Passive Infrared Sensor (PIR) can be used instead of a Magnetic Door Switch to protect open areas such as a corridor.

### Additional reset options

1. Using a 2575 CareGiver Reset Transmitter.
2. Using a 3501 ActiveCare LCD Pager.
3. Using a hard-wired reset button.
4. Using a 2434 SmartGuard Key Pad (hard-wired).

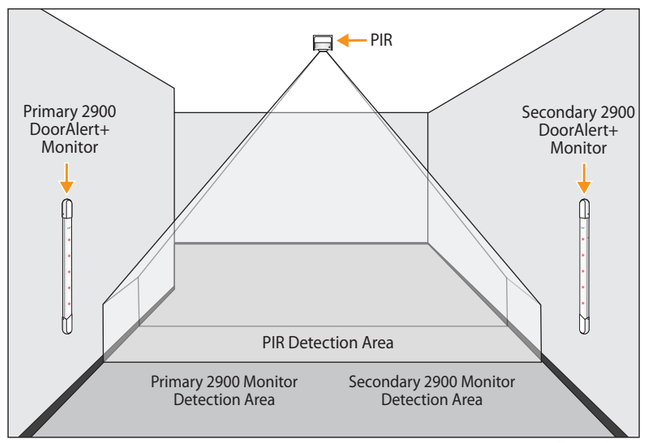



*Figure 9*

In this installation a passive infrared detector (PIR) works with two 2900 DoorAlert+ Door Monitors to detect when a 2901 Wristband Transmitter enters an open protected area.

An example of an advanced installation with automatic locking and optional equipment such as a 3501 ActiveCare Pager and 2434 SmartGuard Key Pad.

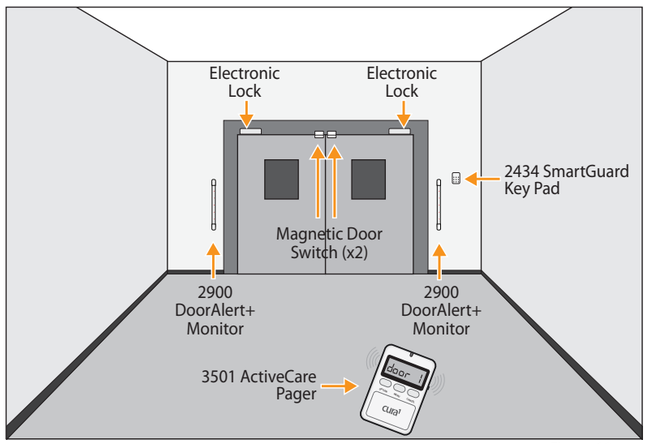



*Figure 10*