PIXIE CLIMATIQ and How PIXIE Works with DAIKIN Ducted Air Conditioning Systems

Air conditioning · https://pixiepartners.com.au/support-docs/pixie-climatiq-and-how-pixie-works-with-daikin-ducted-air-conditioning-systems/

Support Docs · CLIMATIQ · DAIKIN™ Ducted

PIXIE CLIMATIQ and DAIKIN™ *ducted aircon control, the modern way.*

Three CLIMATIQ devices. Used alone or combined, on new installs or as retrofits, for DAIKIN™ ducted and VRV systems. No proprietary cabling between modules, no Wi-Fi required for local operation, and a single Bluetooth mesh network tying it all together. This is the complete reference for specifying, installing and controlling DAIKIN™ with PIXIE.

26 min read Updated May 2026 Audience: Electricians, AC installers, PIXIE Certified Installers

Who this article is for.

Primarily written for electricians, air conditioning installers, PIXIE Partners and PIXIE Certified Installers. Specifiers, integrators and homeowners with an interest in how PIXIE integrates with DAIKIN™ ducted systems will also find the scenarios and definitions sections useful.

The system

PIXIE CLIMATIQ. *Three devices, any combination.*

PIXIE works with DAIKIN™ ducted air conditioning systems in multiple scenarios depending on which of the three CLIMATIQ devices are installed. Each device is independent, each is linkable, and any combination is valid for the project at hand.

1 PC214AC/DK/BTAM

PIXIE AC Controller *(PAC)*

Smart control of the DAIKIN™ ducted indoor unit. Power, mode, fan speed, temperature set point and schedules, from PIXIE app, Touch Panel, Multifunction Controller or voice.

2 PZC248N/R/BTAM

PIXIE Smart Zone Controller *(PZC)*

Eight-channel 24V AC damper controller. Drives ducted zone dampers wirelessly via Bluetooth mesh. Two units link to control up to 16 zones.

3 Coming 2026

PIXIE HALO *Room Controller*

In-room control surface with full colour touchscreen and mechanical wheel for AC, lighting, fans and more. Pairs with PAC and PZC.

Independent or linked.
Use the PAC alone for whole-system control. Use the PZC alone for stand-alone zone control on any 24V AC damper system. Combine both for full DAIKIN™ control with zoning. Add Touch Panels, Multifunction Controllers or HALO room controllers for on-wall interfaces. Every combination is valid, and the components do not need to be wired to each other.

What this enables

Control your client's DAIKIN™ ducted aircon from mobile devices and tablets at home, schedule timers for automatic operation throughout the year, and manage which dampers open and close in which rooms when the PIXIE Smart Zone Controller is also installed. Scheduled zoning has a meaningful impact on heating and cooling running costs.

Add the PIXIE Gateway (SGW3BTAM) and remote access plus voice control of the DAIKIN™ system are achieved simply, alongside any other PIXIE smart home device on site.

Why this matters on the job

A new era in DAIKIN™ ducted aircon control.

All CLIMATIQ devices include PIXIE Bluetooth mesh, which removes traditional wiring requirements between AC system components. No internet or home network connectivity is needed for local operation.

- Faster to install with less labour and less cabling on every job
- More flexible because devices do not need to be physically connected
- No sacrificing capability, the wireless architecture is the modern approach
- Scales from a single ducted home to VRV light commercial without rework

Three deployment patterns

PIXIE is well suited to three deployment patterns on DAIKIN™ systems, and the same CLIMATIQ devices serve all three.

New installation

New ducted DAIKIN™ install with integrated smart home control using the PIXIE smart home system from day one.

Stand-alone zoning

Stand-alone zone control of any 24V AC dampers, on any AC system, with no PAC required.

Retrofit upgrade

Retrofit an older DAIKIN™ ducted system to add modern smart control and reliable zoning, quickly and without major rework.

DAIKIN™ split systems are not supported by these devices.

The CLIMATIQ PAC and PZC are for DAIKIN™ ducted and VRV systems only. For Mitsubishi Electric split systems, PIXIE has a separate compatible device. See the related links at the end of this article.

Compatibility

What DAIKIN™ aircon is PIXIE compatible with?

The PAC interfaces with the DAIKIN™ indoor unit via the standard P1-P2 control terminals. The following DAIKIN™ ducted families are confirmed compatible.

Premium Inverter Ducted
FDYA 71/85/100/125/140/160 AV19 · FDYQ 180/200/250 LCV1
Inverter Ducted
FDYAN 50/60/71/85/100/125/140/160 AV1 · FDYQN 180/200 LCV1 · FDYQN250LBV1
Slimline Ducted
FBA 50/60 BAVMA · FBA 71/85/100/125/140 BVMA
Bulkhead System
FDYBA 25/35/50/60/71 AV1

What about DAIKIN™ VRV systems?

DAIKIN™ VRV systems are supported on the same principle as ducted: if the indoor unit has P1-P2 terminals, the PAC will control it. The following rules apply.

VRV in brief (untested).
If the DAIKIN™ indoor has P1-P2, PIXIE will control it (working assumption pending field validation). Keep no more than two devices on P1-P2, set Main and Sub correctly, and leave F1-F2 inputs on the indoor unit to the central or BMS connections if those are being used.

Ducted: 1 to 2 PIXIE AC Controllers per indoor unit, plus PIXIE Smart Zone Controllers for zoning. VRV: **one PIXIE AC Controller per room** (per indoor unit).

Site pattern	Recommended PIXIE configuration
Single ducted home, 1 to 2 indoor units	One PAC per DAIKIN™ indoor. Keep the existing wired wall remote as Main, set the PAC as Secondary. Add a PZC for zoning if dampers are present.

Site pattern	Recommended PIXIE configuration
VRV home or light commercial, many indoor units	One PAC per indoor unit (per room). Central controller or BMS stays on F1-F2; PIXIE remains local on P1-P2. Confirm groups: if a room has a grouped indoor, decide whether PIXIE should control the group or a single unit.

Other AC brands

PIXIE also operates with Mitsubishi Electric ducted and split systems via separate brand-specific CLIMATIQ devices. The PZC operates with any 24V AC damper, regardless of AC brand. See the related links at the end of this article.

Control surface

PIXIE or PIXIE PLUS?

PIXIE has two apps, **SAL PIXIE** and **PIXIE PLUS**. Every CLIMATIQ device operates with both. Whichever app the client prefers, control of their DAIKIN™ system is the same.

Beyond the app, the same CLIMATIQ devices support PIXIE Touch Panels, mobile tablets, PIXIE HALO Room controllers, and Multifunction Controllers as additional on-wall control points.

Freedom of control

No lock-in to a particular control apparatus for any room.

The client (or the specifier) decides how and where each room is controlled. Mix Touch Panels in main areas, Multifunction Controllers near doorways, HALO in master bedrooms, and the app from anywhere. Add or change control points later without re-cabling. This flexibility is a substantial change for AC control in homes.

The PAC

PIXIE AC Controller for DAIKIN™. *The simplest, most cost-effective DAIKIN™ ducted control device.*

The PAC is the simplest and most cost-effective way to deploy smart home control of a DAIKIN™ ducted aircon system in Australia, on a new install or a retrofit. Three steps from carton to control.

Step	Action
1. Install	Wire the device into the indoor unit P1-P2 terminals. Single 24V AC supply.
2. Scan	Open the PIXIE app and scan the network for the newly added AC device.
3. Control	Control is yours in less than a minute. App, Touch Panel, voice (with Gateway).



PC214AC/DK/BTAM

PIXIE AC Controller *for DAIKIN™*

Compatibility	DAIKIN™ ducted, VRV (P1-P2 terminals)
Connection to indoor unit	P1-P2, single 24V AC connection
Network	PIXIE Bluetooth mesh, no Wi-Fi required
App control	SAL PIXIE or PIXIE PLUS (free, iOS and Android)
On-device controls	2 buttons (Set, Control) plus DIP switch
Status indicators	LED indicators on the front
Remote access	Yes, with PIXIE Gateway SGW3BTAM
Voice control	Google Home, Amazon Alexa, Siri Shortcuts, Samsung SmartThings
Operates as	One of two allowed controllers on a DAIKIN™ indoor unit
Standalone	Yes. PIXIE smart home system optional.

The PAC does not depend on Wi-Fi.

Unlike DAIKIN™'s own AirBase product, the PAC operates locally over Bluetooth mesh and does not depend on Wi-Fi or home network connectivity for in-home control. Wi-Fi is only required if the client wants remote access via the Gateway, and even then, only the Gateway needs Wi-Fi, not the PAC itself.



One-pager *info sheet*

Single-page PDF summary of the PAC for DAIKIN™. Useful for quoting, client handovers and quick reference on site.

Download

On-device control

Two buttons, one DIP switch, full feedback.

The PAC includes two control buttons and LED indicators on the front of the module so installers can directly test operation and confirm status without needing any other tools or apps.

Button 1

(Control)

Operates the DAIKIN™ indoor unit On and Off. Useful for confirming the indoor unit responds before configuring the app.

Button 2

(Set / Mode)

Cycles through operating modes: Cool, Heat, Fan, Dry. Also used (with Button 1) for wireless pairing to PIXIE Multifunction Controllers and factory reset, per standard PIXIE operating principles.

DIP switch

Set to **OFF** for most applications. The DIP switch supports niche site configurations; consult the installation manual if a specific scenario calls for ON.

LED indicators

Show power, Bluetooth mesh state and operational feedback. Useful in-ceiling for confirming a successful install before retreating to the panel.

Wiring

P1-P2 to the DAIKIN™ indoor.

The PAC connects to the DAIKIN™ indoor unit via the standard P1 and P2 terminals. The PIXIE app shows a confirmation diagram during pairing, asking the installer to verify the connection before proceeding.

Heads up: DAIKIN™ allows a maximum of two controllers per indoor unit.
A controller can be a DAIKIN™ on-wall remote panel, a DAIKIN™ AirBase, or a PIXIE PAC. The recommended approach is one DAIKIN™ on-wall remote (the standard panel) plus the PAC installed in the ceiling space. The PAC operates as one of these two allowed controllers.

Once the PAC is added, the DAIKIN™ two-controller limit is effectively obviated by PIXIE: the PAC unlocks an array of additional control surfaces (apps, Touch Panels, Multifunction Controllers, HALO) without consuming a DAIKIN™ controller slot.

Outcome achieved with the PAC alone

With the PAC installed, the following control is immediately available from the PIXIE app, PIXIE Touch Panel and (with Gateway) voice control.

- ✓ Power on/off the DAIKIN™ ducted aircon system
- ✓ Temperature set point control

- ✓ Fan speed control
- ✓ Mode selection: Heat, Cool, Fan, Dry
- ✓ Schedules across the day, week and year

Each of these can be combined with PIXIE scenes, schedules, PROGRAMode logic and the wider PIXIE smart home ecosystem for deeper integration where the project warrants it.

Zone control with the PAC

Two scenarios *for zoning a DAIKIN™ system.*

Zone control of a DAIKIN™ ducted system is possible using the CLIMATIQ products. The right approach depends on whether a DAIKIN™ zone controller is already in place.

1

Existing DAIKIN™ *zone controller*

The PAC can be installed alongside an existing DAIKIN™ zone controller. PIXIE will not control the zoning in this case; zoning remains on the DAIKIN™ remote wall panel with zone control capabilities. The PAC delivers everything else covered above except zone control.

If the homeowner wants PIXIE to control zones too, the existing DAIKIN™ zone controller can be replaced with the PIXIE Smart Zone Controller. Whether that is financially practical is a per-project decision.

2

New DAIKIN™ install *with zoning*

For a new DAIKIN™ ducted install with zone control, inform the AC supplier that the AC controller and zone controller will be supplied by PIXIE. This means a standard DAIKIN™ on-wall remote panel is required, not the higher-priced zone control version.

The AC installer deploys the system in the normal manner: zone cabling, dampers, return air thermostats, system balancing, all standard. Instead of installing the DAIKIN™ zone controller, they

install the PIXIE Smart Zone Controller.

Link the PAC and PZC in the app.

Once the Smart Zone Controller is added to the network, head back to the AC Controller in the PIXIE app and **link** the Zone Controller to it. Linking gives the user a single interface for AC variables (mode, temperature, fan speed) and zone state, which is faster and more intuitive than navigating between separate devices.

The PZC

PIXIE Smart Zone Controller. *8 channels, 24V AC, wireless.*

The PIXIE Zone Controller is an 8-channel Bluetooth mesh 24V AC damper controller with on-device test buttons and a hardware spill-zone option. It opens and closes 24V AC dampers to allow or stop airflow to each zone, delivering fast, smart zoning for ducted aircon systems in Australia.



PZC248N/R/BTAM

PIXIE Smart Zone *Controller*

Channels	8 x 24V AC damper outputs (RJ11)
Maximum zones	Up to 16 with two PZCs linked wirelessly

Damper type	24V AC motorised dampers (240V dampers not compatible)
Power supply	Single 24V AC connection
Network	PIXIE Bluetooth mesh, no Wi-Fi required
Antenna	Screw-on external antenna (must be fitted, housing is steel)
On-device control	8 buttons + LED indicators per channel
Spill zone	Default Channel 1, configurable via app or buttons. DIP switch hardware override.
Mounting	Sturdy steel housing with integrated mounting tags
App control	SAL PIXIE or PIXIE PLUS
Wireless link to PAC	Yes. No physical connection required.

Heads up: 24V AC dampers only.
If the project has 240V dampers installed, or 240V dampers are being specified, the PIXIE Zone Controller will not be compatible. The dampers must be 24V AC. Confirm before quoting.

Three steps from carton to control.
1. Install the device. **2.** Scan the network with the PIXIE app. **3.** Control is yours in less than a minute. Stand-alone, or as part of a larger PIXIE smart home installation.

Where the PZC sits in the system

The PZC mounts in the ceiling space for convenient wiring connection to the 24V AC dampers. It powers from a single 24V AC supply and has a wired connection to each in-ceiling damper (RJ11 connectors per channel). It does **not** need to be physically connected to the PIXIE AC Controller; communication between PAC and PZC is wireless via PIXIE Bluetooth mesh.

This wireless interconnectivity is one of the practical advantages of CLIMATIQ. Installation is simpler. Wiring and labour costs are lower. Multi-level homes with zone control become substantially easier.

Outcome achieved with the PZC

With the PZC installed, the following is immediately available from the PIXIE app, Touch Panel and (with Gateway) voice control.

- ✓ Individual control of up to 8 zones from a single PZC
- ✓ Add a second PZC and control up to 16 zones individually
- ✓ Combine zoning with PIXIE scenes, schedules and PROGRAMode logic
- ✓ Pair zones to PIXIE Multifunction Controllers for on-wall buttons

Wireless wins on multi-level homes

The secondary PZC does not need to be wired *to anything except its own dampers.*

There is no requirement for the secondary zone controller to be wired or physically connected to the primary PZC or to the PAC. Each PZC needs only a 24V AC supply and wired connection to its own in-ceiling dampers. The Bluetooth mesh handles the rest. Multi-level homes with zoning become substantially simpler than legacy solutions.

On-device control

Eight buttons, eight LEDs, full ceiling-space testing.

Each of the 8 control buttons on the PZC has a dedicated LED indicator. Installers can test damper operation and confirm channel status from the ceiling space without needing any other tools or apps. This saves time during commissioning and during fault-finding visits.

Press
(test)
Press a button to test the operation of that channel's damper. The LED turns **red** when the damper is closed, **green** when open.

Long press
(set spill)
Long-press any button for **5 seconds** to set that damper as the SPILL ZONE for the system. Channel 1 is the default spill zone from the factory.

B1+B2

(identify)

Press and hold Buttons 1 and 2 together for **5 seconds** to identify the current spill zone. The current spill zone LED will flash red and green for 10 seconds.

7x press

(disable)

Press any damper button **7 times in quick succession** to disable that channel's output. Useful when a damper is not yet connected. Same operation can be done from the app.

Pairing

& reset

The buttons also access wireless pairing (to PIXIE Multifunction Controllers) and factory reset (any button), per the standard PIXIE device operating principles.

Spill Zones

A **spill zone** (also called a *constant zone*) is a deliberately designated ducted-air zone that always remains open, or automatically opens when other zones shut. Its job is to provide the minimum airflow the indoor fan needs so it never "dead-heads."

Why it matters: a spill zone keeps static pressure within safe limits, reduces noise, prevents ductwork stress, and allows the inverter head to ramp smoothly. In practice, the spill zone is usually a hallway or living area that stays on as the default air path. It must be sized to meet the manufacturer's minimum air volume and always have a clear return-air path.

By giving the supply air somewhere to go when other zones close, the spill zone avoids the need for an energy-wasting bypass back into the return. The result is better efficiency, protection for the fan and coil, consistent comfort, and a simple, reliable way to use on/off dampers in zoning systems.

The DIP switch

The on-board DIP switch on the PZC simply enables or disables the spill zone management. Some AC system designs have one of the air paths designed with no damper, so it is the default spill zone *by hardware design*. In that case the PZC does not need to manage spill behaviour at all, and the DIP switch can be set accordingly.

When the DIP switch is set to enable spill management (factory default), Channel 1 is nominated as the spill zone by default. If a command is issued to close all dampers, the channel set as the spill zone will not close; if it is already closed and a "close all" command arrives, it will open to ensure safe system operation. The spill zone channel can be re-nominated via the app or via the on-device buttons.

Use the PZC on other AC systems

The PZC interfaces with standard 24V AC dampers, so any AC system with 24V AC zoning can have wireless zone control added with the PZC. This is most useful when a homeowner has a manual or stand-alone zone control wall panel and wants greater flexibility for comfort and energy savings.

Typically the existing wall panel has all the zone damper cabling running into the back of it, and from there up the wall and out to the various dampers in the ceiling space. Replace that wall panel by routing the damper cabling into the PZC in the ceiling instead. The PZC then drives the dampers, and the result is wireless app control plus access to schedules, scenes and the rest of the PIXIE smart home system if PIXIE is added later.

If the client wants to keep a panel on the wall where the old zone panel was installed, two options apply.

- → **PIXIE Multifunction Controllers** can be wirelessly paired to individual zone channels on the PZC, restoring traditional button-on-the-wall zone control.
- → **PIXIE HALO** (when released in 2026) can be mounted at the same location as a modern in-room interface, also unlocking control of any other PIXIE devices in the home.

The HALO

PIXIE HALO Room Controller. *2026.*

The PIXIE HALO Room Controller is the third CLIMATIQ device, scheduled for release in 2026. Each room gets a dedicated control surface for AC, lighting, ceiling fans and any other PIXIE device in the room or home, via a full colour touch panel with a mechanical wheel for AC temperature, fan speed and mode operation.

Installation is simple, and the cost-versus-value proposition is built for residential and light commercial scale. Full details will follow on release.

Deployment scenarios

Six ways to deploy CLIMATIQ *on a DAIKIN™ job.*

Once the PAC, the PZC, or both are installed, six smart home control scenarios are available. These can stand alone for AC control, or be deeply integrated with the rest of the PIXIE ecosystem on site.

1

AC control, *app only*

The PAC alone, with control from the PIXIE or PIXIE PLUS app. Temperature set point, fan speed, mode and power. With Gateway: remote access, voice, scenes, schedules and PROGRAMode logic.

PACApp+ Gateway optional

2

AC control, *with PIXIE on-wall control*

The PAC plus PIXIE on-wall surfaces: a Multifunction Controller for power on/off, a Touch Panel for full control, a tablet, or HALO. The DAIKIN™ on-wall remote stays in place as the Main controller.

PAC+ Touch Panel / MFC / HALO

3

Zone control, *Multifunction Controllers only*

The PZC paired wirelessly to PIXIE Multifunction Controllers on the wall. A button or buttons per zone. LED indicators on the MFC track the open/closed state. No cabling between the wall plate and the PZC.

PZC+ MFCs

4

Zone control, *app or Touch Panel only*

The PZC controlled directly via app or Touch Panel. Direct zone control, scenes (multiple dampers in one press), and schedules (or scheduled scenes). Touch Panel adds voice control via Gateway and an integrated interface alongside lights, fans and intercom.

PZC+ App / Touch Panel

5

Full AC + *zoning, app and Touch Panel*

PAC and PZC installed together. AC control and zone control unified in one interface, on the app and on the Touch Panel. Up to 8 permanent on-wall locations from where to control AC and zones, plus the app for control from anywhere.

PACPZC+ Touch Panel

6

The full deployment *(2026)*

Scenario 5 plus a HALO Room Controller in every room, plus Touch Panels in main areas. Whole-home control of AC, zones, lighting, fans and more, with a beautifully consistent interface in every space.

PACPZCHALOTouch Panel

Even a stand-alone install delivers the full PIXIE schedule and scene system.

If a homeowner only has AC-related PIXIE control, all PIXIE schedules and scenes are still delivered via the apps, plus the full range of on-wall control options native to the PIXIE smart home system.

Reference

Air conditioning industry definitions.

Skip this section if the terminology is already familiar. Otherwise, these are the definitions used throughout this article.

Ducted air con ▾

A centralised air conditioning system that cools or heats the entire home via a network of ducts. One outdoor compressor unit and a large indoor fan-coil unit (usually concealed in the ceiling or under the

floor) distribute conditioned air through vents in each room.

In Australian homes, ducted systems are typically reverse-cycle (cooling and heating) and require sufficient roof or underfloor space to install. Key characteristics:

- Whole-home climate solution with one integrated system conditioning multiple rooms.
- Unobtrusive appearance: indoor equipment is hidden, only small ceiling diffusers visible.
- Can be divided into zones for flexible control of airflow to specific areas.

Air con controller ▾

The device or interface used to operate an air conditioning system: setting temperature, mode (cool/heat), fan speed, timers and so on. In Australian homes this may be a handheld remote (commonly infra-red) for split-system units, or a central wall-mounted panel for ducted systems. Modern controllers often include digital displays, scheduling and remote access.

- Consolidated control: all settings (on/off, temperature, fan, mode) in one place.
- Many are programmable and support scheduling for energy savings.
- Multi-brand standardisation is limited; controllers are usually unit-or-brand specific.
- Wall panels are fixed, so adjustment may require going to that location.

Remote wall panel ▾

A fixed wall-mounted control panel for an HVAC system. In residential ducted air conditioning, this is the primary user interface, typically a wired digital thermostat/control unit mounted on an interior wall. It allows the homeowner to turn the system on/off, select modes, set temperature and often control zones and fan settings.

Australian ducted systems include a wall controller (e.g. the DAIKIN™ "Nav Ease" panel for basic control) as standard. Wall controllers are provided by all major HVAC manufacturers for their ducted systems and must be installed according to wiring rules (typically extra-low-voltage connections). Common practice in Australia is one central wall control in the main living area; in larger homes, multiple panels can be installed (e.g. one per floor).

- Permanent and easy to use, fixed location, powered from the system.
- Provides full-featured control with clear display of temperature and settings.
- Many include advanced functions: timers, scheduling, filter-clean reminders, integrated zone control.

Zone controller ▾

A control system that divides a ducted air conditioning setup into multiple zones and regulates airflow or temperature for each zone independently. In Australian homes this typically means a central zone controller unit or module that operates motorised dampers in the ductwork to open/close airflow to different rooms.

Basic zone controllers turn zones on or off (all zones share the main thermostat setting). Advanced systems use individual zone thermostats/sensors so each zone can maintain a different temperature setting.

- **Energy savings:** only conditioning the areas you need can significantly cut running costs by avoiding wasted energy on empty rooms.
- **Comfort and flexibility:** different zones at different temperatures suit different uses; bedrooms cool at night, living areas off, or vice versa.
- **Capacity optimisation:** not all zones need to be on at once, so a smaller overall system might suffice for the house.

Damper ▾

In HVAC, a damper is a movable plate or valve within a duct that regulates airflow. In Australian residential AC, motorised dampers are installed in ductwork to enable zoning: they open or close to direct air to particular zones or rooms. When a zone is turned off, its damper closes to stop airflow to that area.

Dampers can be manual (set in a fixed position to balance airflow) or automatic. DAIKIN™ and other suppliers sell 24V and 240V motorised dampers in various sizes to suit common duct diameters. **The PIXIE PZC works only with 24V AC dampers.**

- Enables zoning by shutting off airflow to specific ducts.
- Simple, proven mechanical technology with widely available compatible options.
- Helps balance airflow and smooth out temperature differences across rooms.

VRV / VRF ▾

VRV (Variable Refrigerant Volume) is DAIKIN™'s term for an advanced multi-split air conditioning system. VRF (Variable Refrigerant Flow) is the generic industry term for the same approach. Multiple indoor units are connected to one outdoor condensing unit, with refrigerant flow varied to each indoor

unit so output adjusts to the demand in each zone.

In residential use, a VRV system allows individual air conditioning units in different rooms (a mix of wall-mounted, ducted or cassette indoors) running off a single outdoor compressor. This delivers individual zone control similar to multiple split systems but with one outdoor unit handling the combined load.

VRV systems are essentially scaled-down commercial HVAC technology and are most common in larger homes, luxury residences or apartment complexes in Australia rather than standard detached houses. Initial cost and installation complexity are substantially higher than standard split or ducted systems.

Spill zone (constant zone) ▾
A deliberately designated ducted-air zone that always remains open, or automatically opens when other zones shut. Its job is to provide the minimum airflow the indoor fan needs so it never "dead-heads," keeping static pressure within safe limits, reducing noise, preventing ductwork stress and allowing the inverter head to ramp smoothly.

In practice, the spill zone is usually a hallway or living area that stays on as the default air path. It must be sized to meet the manufacturer's minimum air volume and always have a clear return-air path. A correctly sized spill zone removes the need for an energy-wasting bypass back into the return.

Frequently asked

FAQ

Does the PAC work on DAIKIN™ split systems? ▾
No. The PAC and PZC are for DAIKIN™ **ducted and VRV systems only**. For Mitsubishi Electric split systems, PIXIE has a separate compatible CLIMATIQ device. See related links at the end of this article.

Do the PAC and PZC need to be wired to each other? ▾
No. PAC and PZC communicate wirelessly via PIXIE Bluetooth mesh. Each device needs its own 24V AC supply (and the PZC needs damper cabling to its channels) but no physical link between them. This is one of the practical advantages of the CLIMATIQ system.

Do I need Wi-Fi to use CLIMATIQ devices? ▾

No. Local in-home control over Bluetooth mesh works without Wi-Fi or any home network connectivity. Wi-Fi is only required if the client wants **remote access** or **voice control**, both of which are delivered via the PIXIE Gateway (SGW3BTAM). Even then, only the Gateway needs Wi-Fi, not the PAC or PZC.

Can I keep the existing DAIKIN™ on-wall remote? ▾

Yes. The recommended configuration is to keep the standard DAIKIN™ on-wall remote as the Main controller and install the PAC as the Secondary controller. DAIKIN™ allows a maximum of two controllers per indoor unit, and the PAC operates as one of those two. Once the PAC is in, the user gains additional control surfaces (apps, Touch Panels, MFCs, HALO) without consuming a DAIKIN™ controller slot.

Can I retrofit CLIMATIQ to an older DAIKIN™ ducted system? ▾

Yes, provided the indoor unit has P1-P2 terminals. The PAC interfaces via P1-P2, so any DAIKIN™ ducted indoor with those terminals will work. Retrofit is one of the three core deployment patterns for CLIMATIQ.

Can the PZC drive 240V dampers? ▾

No. The PZC is a 24V AC damper controller only. If the project has 240V dampers installed, or 240V dampers are being specified, the PZC will not be compatible. Confirm the damper type before quoting.

What happens if I close all zones? ▾

The spill zone protects the system. With the spill function enabled (factory default), the channel set as the spill zone (Channel 1 by default) will not close on a "close all" command, or will open if it is already closed when that command is issued. This keeps minimum airflow at the indoor fan and prevents dead-heading. The DIP switch and the on-device buttons let you change which channel is the spill zone (or disable spill management if the duct design has a no-damper air path).

How many zones can I control with PIXIE? ▾

One PZC controls 8 zones. Two PZCs linked wirelessly control up to 16 zones. The secondary PZC does not need to be wired to the primary PZC or to the PAC; each unit just needs its own 24V AC supply and damper cabling, and Bluetooth mesh handles communication.

What does "linking" the PAC and PZC actually do? ▾

Linking pairs the AC Controller and Zone Controller in the PIXIE app so that AC variables (mode, temperature, fan speed) and zone state appear in a single interface, not two separate device pages. It is not strictly required, but is strongly recommended for usability.

Where do I get datasheets and wiring diagrams? ▾
The full library is on the partners site:

Datasheets and installation manuals: pixiepartners.com.au/pixie-datasheets-and-installation-manuals
Wiring diagrams: pixiepartners.com.au/pixie-wiring-diagrams

What about PIXIE HALO? ▾
The PIXIE HALO Room Controller is the third CLIMATIQ device, scheduled for release in 2026. Each room gets a dedicated control surface for AC, lighting, ceiling fans and any other PIXIE device, via a full colour touch panel with mechanical wheel. Full details follow on release.

Quick reference

Key part numbers *at a glance.*

Product	Part Number	Purpose	Standalone
PIXIE AC Controller for DAIKIN™	PC214AC/DK/BTAM	DAIKIN™ indoor unit control via P1-P2	Yes
PIXIE Smart Zone Controller	PZC248N/R/BTAM	8-channel 24V AC damper control	Yes
PIXIE Gateway	SGW3BTAM	Remote access, voice control	Optional add-on
PIXIE Multifunction Controller	SMF/BTAS (and variants)	On-wall buttons paired wirelessly to PAC or PZC	Optional add-on
PIXIE Touch Panel	(Touch Panel SKUs)	5.5" touchscreen for whole-home control	Optional add-on (Gateway required)
PIXIE HALO Room Controller	Coming 2026	In-room touch + wheel for AC, lights, fans	Optional add-on

For PIXIE Certified Installers.

On-site commissioning support is available for first PIXIE installations where arranged with your local SAL Sales Representative. Remote tech support is available Monday to Friday, 10am to 5pm on **1800 256 843**. The PIXIE Facebook Technical Support Group is also an active resource for real-world installation questions.

Datasheets, wiring, training and *the rest of the knowledge base.*

Everything you need to specify, install and support a DAIKIN™ CLIMATIQ job, in one place.

Documentation Datasheets and installation manuals Full technical documentation library for every PIXIE device Wiring Wiring diagrams PAC, PZC, Multifunction Controllers, Touch Panel, Gateway Related KB Does PIXIE work with DAIKIN™? Quick-answer summary of compatibility Related KB Pair a Multifunction Controller (SMF/BTAS) Wireless pairing to PAC or PZC channels Knowledge base PIXIE Help Centre Searchable knowledge base, real installer questions Tech support 1800 256 843 Toll-free, Monday to Friday, 10am to 5pm Community PIXIE Facebook Technical Support Group Active resource for real-world installation questions Free training PIXIE Certified Installer course Free certification for electricians