

Accessories

Through Wall Kits

For use with in-line or wall/ceiling fans to extract air away from the outside of the building.

Cat 6412

Includes 4" aluminium ducting (115mm compacted length and 320mm extended length), square grille surround, fixed grille, gravity louvres and mounting screws (4 x 4mm x 25mm long speed screws and 4 wall plugs).

Cat 6512

As for 6412 but with 5" aluminium ducting.

Cat 6612

As for 6412 but with 6" aluminium ducting.



Timers

Designed for efficiency and economy, timers prevent power wastage. They are fitted inside the fan; when the fan is switched off, it will continue running for the pre-set time to clear the air, then turn off automatically.

Cat 6312 (for in-line fans)

- Adjustable Time: From 3 to 20 minutes
- Max Load: 150W
- Voltage: 220 - 240V ~ 50 - 60Hz
- Weight: 30g
- Mounting: In foot of in-line fan motor.

Cat 6322 (for wall/ceiling fans)

- Adjustable Time: From 3 to 20 minutes
- Max Load: 150W
- Voltage: 220 - 240V ~ 50 - 60Hz
- Weight: 30g
- Mounting: In casing of wall/ceiling fan.

Waterproof Switches

PDL's waterproof switches are ideal for switching exhaust fans in bathrooms, ensuites, kitchens and laundries, offering protection from the risk of a fatal electric shock.

Rated to IP56, PDL's waterproof switches meet the requirements for installation in Zone 1 as per AS/NZS 3000:2000, Sections 7.1, 7.2 and 7.6.

Available with clip-on cover plates in a metal or low-gloss finish.

Cat 682VWPD

Double, vertical, waterproof switch with dedicated modules for light and fan.

Cat 683VWPD

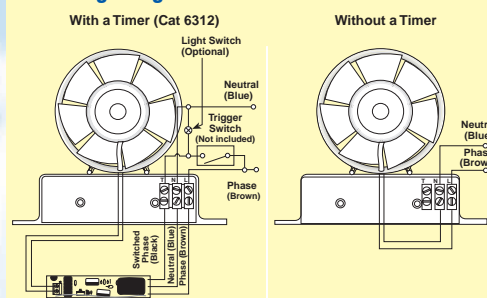
3-module, vertical, waterproof switch with dedicated modules for heat, light and fan.

Cat 683HWPD

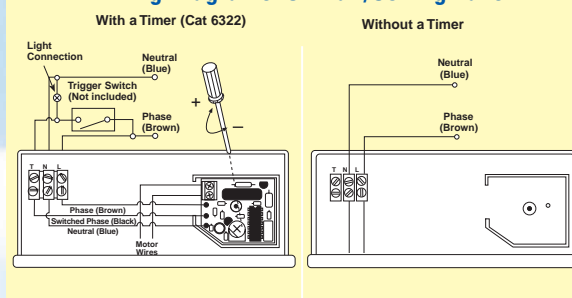
3-module, horizontal, waterproof switch with dedicated modules for heat, light and fan.



Wiring Diagrams for In-Line Fans



Wiring Diagrams for Wall/Ceiling Fans



PDL ELECTRICAL PRODUCTS



PDL Electrical Products are designed and engineered to ISO 9001

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PDL EXHAUST FANS

GOOD VENTILATION FOR HEALTHY LIVING



A NEW RANGE
OF IN-LINE AND
WALL/CEILING FANS
DESIGNED FOR
HEALTHY LIVING.



PDL ELECTRICAL PRODUCTS



A Breath of Fresh Air

Poor Ventilation Produces Stale Air & Condensation

Stale Air

Musty, stagnant air can be caused by dampness, smoking, animals, cooking smells, odours remaining in damp bathroom air, or even just a lack of ventilation. Stale air produces an unpleasant environment and creates the risk of respiratory illness and general poor health.

Condensation

Condensation can cause widespread problems ranging from mould on carpets, curtains, and furniture, to peeling wall paper, and even severe structural damage such as wood rot and damp.



Good Ventilation for Healthy Living

PDL in-line and wall/ceiling exhaust fans provide simple solutions to domestic ventilation problems.

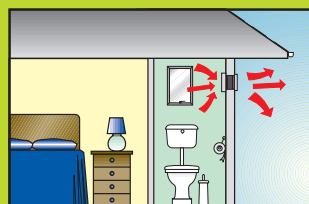
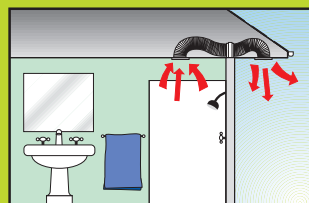
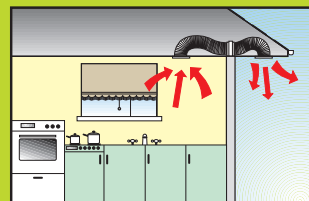
They are designed to create a healthy living environment through the controlled replacement of surrounding air.

The fans allow you to shut windows to keep valuable heat in and reduce drafts, while at the same time preventing condensation and stale air.

A good ventilation system also prevents costly maintenance expenses by preserving the life of the building.

Applications

- Kitchens
- Bathrooms
- Toilets
- Ensuites
- Living Rooms
- Bedrooms
- Laundries
- Garages
- Workshops



Features

- Stylish
- Easy to install
- Easy to clean and maintain
- Manufactured from thermal, shock-resistant plastic material for durability and maximum performance

Ducting

- Light weight
- Strong and flexible aluminium ducting for in-line and wall/ceiling fans
- Highly flexible PVC with spring steel helix wire for in-line fans
- Operates in temperatures from -5°C to 70°C

Motor

- Safety thermal fuse
- Easy installation
- Conforms to AS/NZS3350

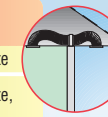
Round In-Line Grilles

- Easy to remove
- Dishwasher safe or can be hand washed
- Grilles are angled to obscure the internal view of the duct and direct moist air away from the building
- Grille does not need to be oriented
- Grille is mounted with clamps for fast, easy installation. Using clamps prevents cracking from screw holes.

Exhaust Fans

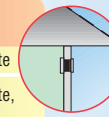
In-line Fans

Cat No	Duct	Nominal Air Displacement	Suggested Applications
6401	100mm/4"	85m ³ /hr	WC, Laundry, Ensuite
6501	120mm/5"	130m ³ /hr	WC, Laundry, Ensuite, Small Bathroom
6601	150mm/6"	230m ³ /hr	WC, Laundry, Ensuite, Medium/Large Bathroom, Kitchen



Wall/Ceiling Fans

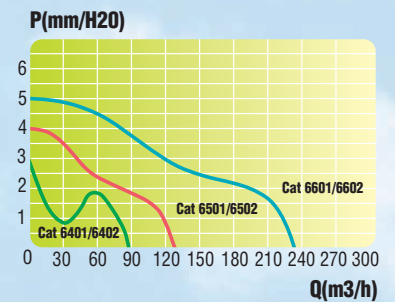
Cat No	Duct	Nominal Air Displacement	Suggested Applications
6402	100mm/4"	85m ³ /hr	WC, Laundry, Ensuite
6502	120mm/5"	130m ³ /hr	WC, Laundry, Ensuite, Small Bathroom
6602	150mm/6"	230m ³ /hr	WC, Laundry, Ensuite, Medium/Large Bathroom, Kitchen



Specifications

Cat No	6401/6402	6501/6502	6601/6602
Ducting diameter (mm/in)	100/4"	120/5"	150/6"
Duty at free discharge (m ³ /h)	85	130	230
Nominal air flow pressure (mmH2O)	0.65	0.30	0.80
Max pressure (m ³ /h=0) (mmH2O)	3.4	4.3	5.1
Voltage (at 50/60Hz)	230V	230V	230V
Power absorbed (W)	11	15	29
Sound pressure Level at 1.5m dB (A)	44	46	50
AS/NZS Standards	AS/NZS3350	AS/NZS3350	AS/NZS3350
Approvals	V41	V41	V41
Insulation class	II	II	II
IP Rating	IPX2	IPX2	IPX2
Max running temperature	40°C	40°C	40°C
Weight (kg)	0.62	0.77	1.08

Air Flow Diagram



Performance

The correct location of the fan is vital for optimum performance. A ventilation system will only extract air from a room if there is provision for replacement air.

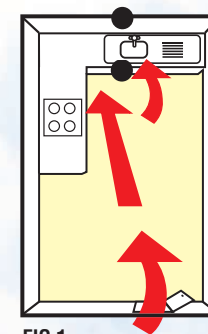


FIG 1

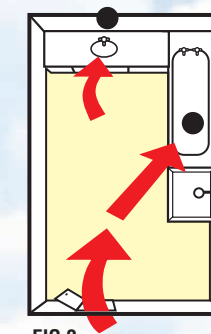


FIG 2

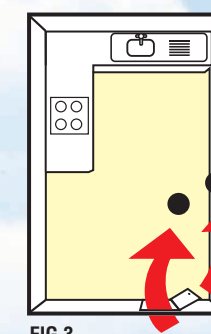


FIG 3

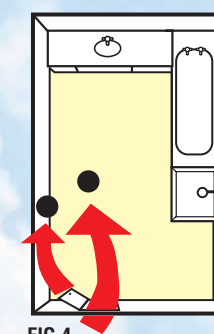


FIG 4

Correct: Outlet fitting is located as far away as possible from – and opposite to – incoming air supply.

Incorrect: Outlet fitting is too close to main air source.