Gas self-balancing exhaust terminal

# 11017105
# TDA battery

The TDA terminal generates even more savings and better IAQ in commercial buildings.

## PRODUCT BENEFITS

- comfort, IAQ and energy savings due to automatic operation based on presence detection,
- easy to install,
- possible to control lighting.

## REGULATIONS AND COMPLIANCES

Technical Opinion no. : 14.5/16-2185

### Principles of operation

The TDA terminal features a built-in optical sensor. It can therefore switch automatically from minimum extract airflow to boost airflow if occupancy is detected, for better IAQ, increased comfort, and higher energy savings.

### Product description

The TDA terminal is a small extract terminal with built-in presence sensor. The terminal operates at a minimum extract airflow or peak airflow depending on the signal received from the sensor. The terminal is white and blends seamlessly into the wall or ceiling.

### Fields of application

New, Refurbishment, Non-residential buildings

### Installation

- wall or ceiling attachment,
- 1 TDA per ducting system branch,
- Specific version with reporting of occupancy data via a relay, for example to activate room lighting at the same time as the ventilation,
- depending on versions:

- mains power supply 12 V AC DC (accepts up to 5 TDA terminals),
- 9V battery type 6LR61 supplied.

### Reference arguments

- 1 TDA per ducting system branch.
- Automatic airflow control according to room occupancy.
- Occupancy control: air renewal is activated when the room is occupied.
- Possible to report occupancy data via a relay, for example to activate room lighting at the same time as the ventilation.
- Terminal without controls to ensure homogeneous design.
- Extract terminal with automatic occupancy detection.
- Reduced airflow: 7.5 m³/h at 100 Pa.
- Base airflow: 25, 50, 75 or 90 m³/h at 100 Pa.
- Battery version (6 x LR61 batteries supplied)

### Main characteristics

- automatic regulation of airflow according to presence in the room,
- slaved to presence: air renewed when room is occupied,
- unslaved version for aesthetic homogeneity,
- standard airflow: 7.5 m3/h at 100 Pa,
- peak airflow adjustable by cursor: 25, 50, 75 or 90 m3/h at 100 Pa,
- 6LR61 battery supplied.

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## Supplementary characteristics

The TDA remains at peak airflow for 20 min after the last detection of presence.

## Accessories

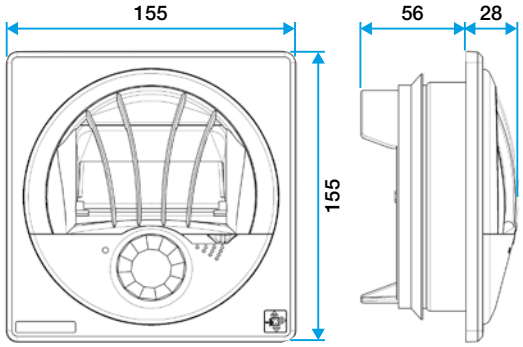
| Description | Variants |
|---|---|
| Shoulder sleeve Ø 125 mm | 11012220 |
| Sheet sleeve 3 tabs Ø 125 mm | 11012252 |
| Male sleeve Ø 124 mm | 11012250 |
| TRIDENT SHEET SLEEVE D125 H300 | 11022055 |

## General data

| Variants | Colour |
|---|---|
| 11017105 | Lagoon blue |

## Dimensional data

| Variants | H (mm) | L (mm) | Ø connection (mm) | Weight (kg) |
|---|---|---|---|---|
| 11017105 | 155 | 155 | 125 | 0,27 |




## Airflow data

| Variants | Other adjustable airflows (m³/h) | Basic airflow (m³/h) | Pressure range (Pa) | Tolerance on airflow |
|---|---|---|---|---|
| 11017105 | 25, 50, 75 or 90 | 7,5 | 100-160 | 15% |

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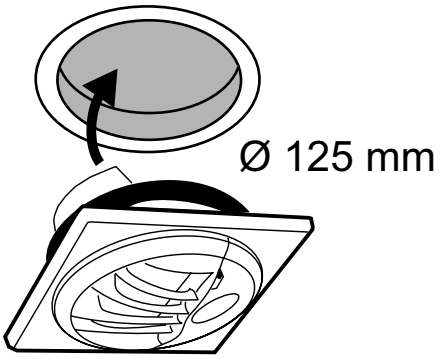
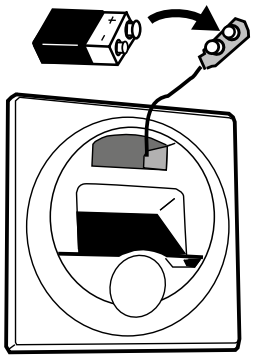
## Acoustic data

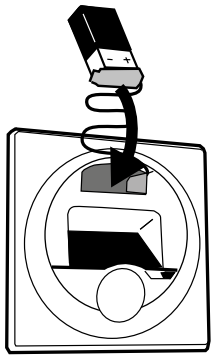
| Variants | Lw at Pa (dB(A)) |
|---|---|
| 11017105 | 30-100 Pa - 25 m3/h |

## Installation

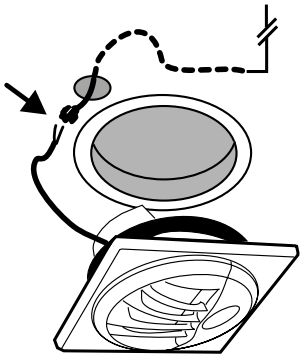


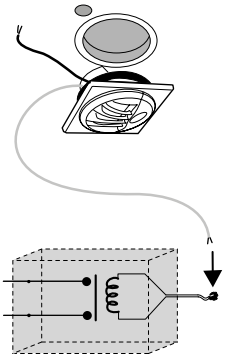

Installation TDA au plafond



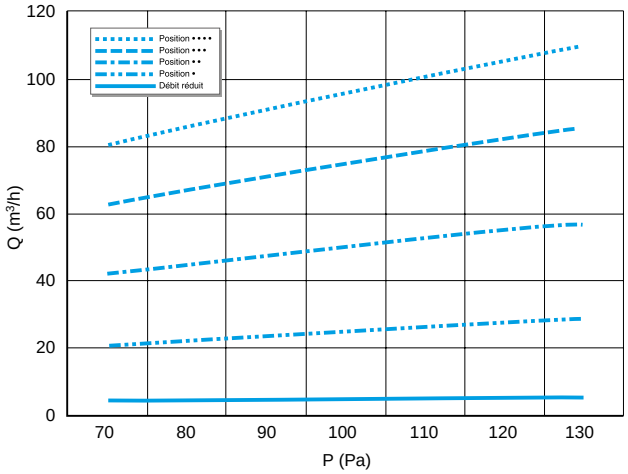


Installation TDA au mur





## Curve




> standard airflow manually adjustable by selector: 25, 50, 75 or 90 m3/h.
> airflow automatically reduced if no presence detected: 7.5 m3/h.
> The airflow is calibrated at 100 Pa.
> TDA operating range: 100 to 160 Pa.
> In these installation conditions, the relative variation in airflow on each terminal is limited to 15%.