

# **FIREFLY VENTILATION SYSTEM PRODUCT INTRODUCTION**

Fan GD62.31D Series

## Fan GD62.31D Series

The fan is designed specifically for energy storage unit, battery charging rooms, other power batteries storage container, and fixed battery storage areas. It could be used in connection with combustible / toxic gas detection devices, BMS, and other control devices for protection of personnel's life and property safety. Eliminated hazards from hydrogen, other flammable, explosive, or toxic gases, and ensure the continuous and uninterrupted customer operation.



The Inlet fan and exhaust fan are used together as a perfect ventilation system to achieve the designed air movement of the protected area. Simple and reliable control can effectively and quickly to ventilate flammable, explosive, or toxic gases that may accumulate inside confined space out of the protected area. Air duct system may be required to fit the site condition.

The product is easily to install and fix; Both of Intake Electrical Louver and Exhaust Fan are equipped with IP55 electrical control device.

## Product Features

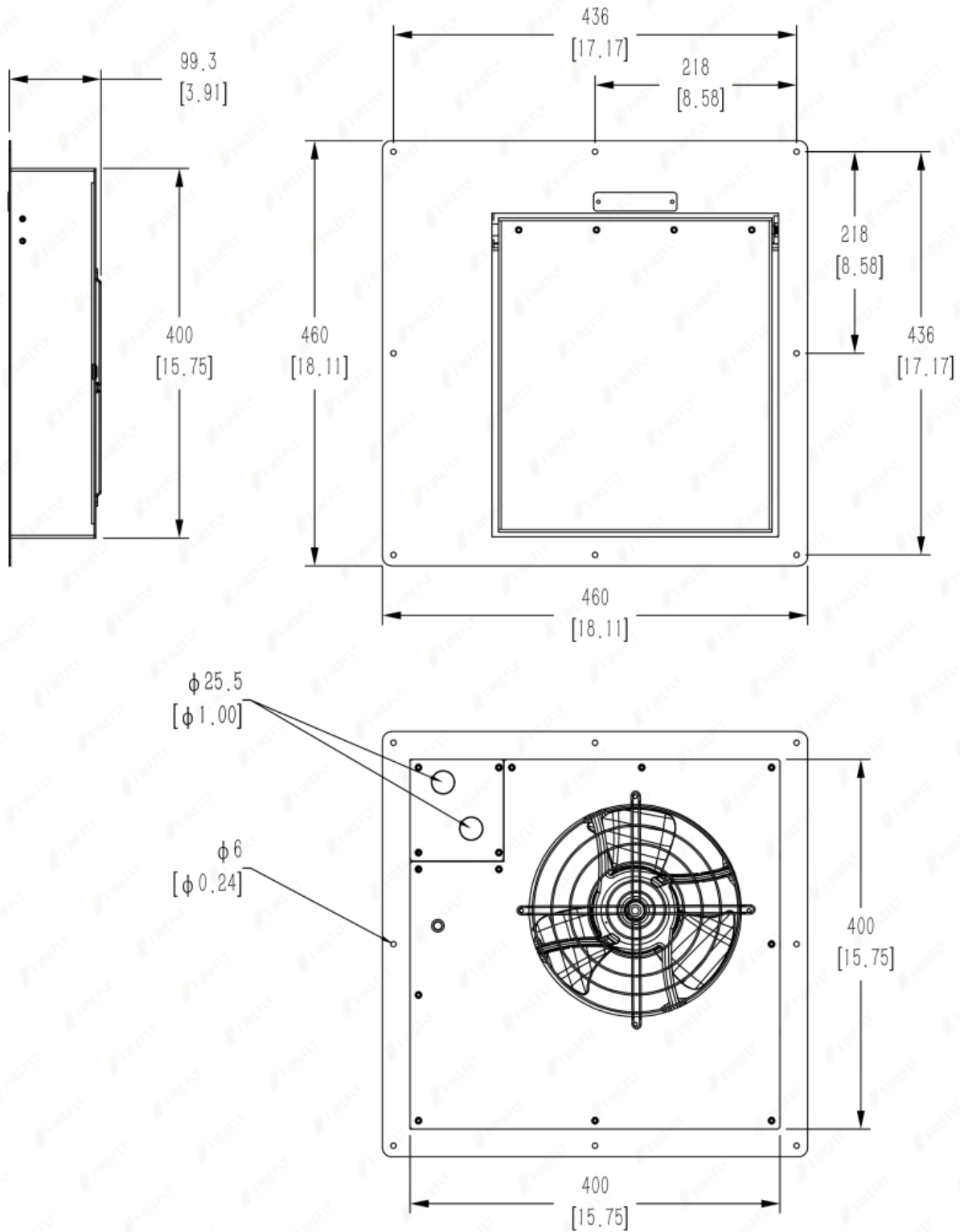
- ★ UL/CE international certification push rod.
- ★ Used in conjunction with combustible or toxic gas detectors.
- ★ Non continuous operation, the LED working status indicator light is on during operation.
- ★ Equipped with fan operation status feedback function.
- ★ Equipped with blade fault feedback function.
- ★ Lock when the air valve door panel is opened or closed.
- ★ Equipped with maintenance and self testing functions.

## Technical Specifications

| Project                             | Parameters/Specifications |                                       |
|-------------------------------------|---------------------------|---------------------------------------|
| Product model                       | GD62.31DJ13.D00           | GD62.31DJ14.D00                       |
| Product name                        | Inlet fan                 | Exhaust fan                           |
| Product size                        | 460mm×460mm×52mm          | 460mm×460mm×99.3mm                    |
| Packaging size                      | 532×532×105mm             | 532×532×150mm                         |
| Net weight                          | 8.0kg                     | 11.6kg                                |
| Gross weight                        | 9.2kg                     | 12.9kg                                |
| Ventilation area/<br>Fan air volume | 0.042m <sup>2</sup>       | 820±15%CFM(1394±15% <sup>3</sup> m/h) |
| Product material                    | Carbon steel              |                                       |
| Appearance color                    | RAL7035                   |                                       |
| Rated voltage                       | 230VAC 50/60Hz            |                                       |
| Rated current                       | AVG 600mA                 |                                       |
| Storage temperature                 | -20°C~+60°C/85%RH         |                                       |
| Working temperature<br>and humidity | -10°C~+50°C/85%RH         |                                       |
| Level                               | IP55                      |                                       |
| Shell anti-corrosion<br>grade       | C4/C5                     |                                       |
| Required wall opening<br>area       | 405mm×405mm               |                                       |

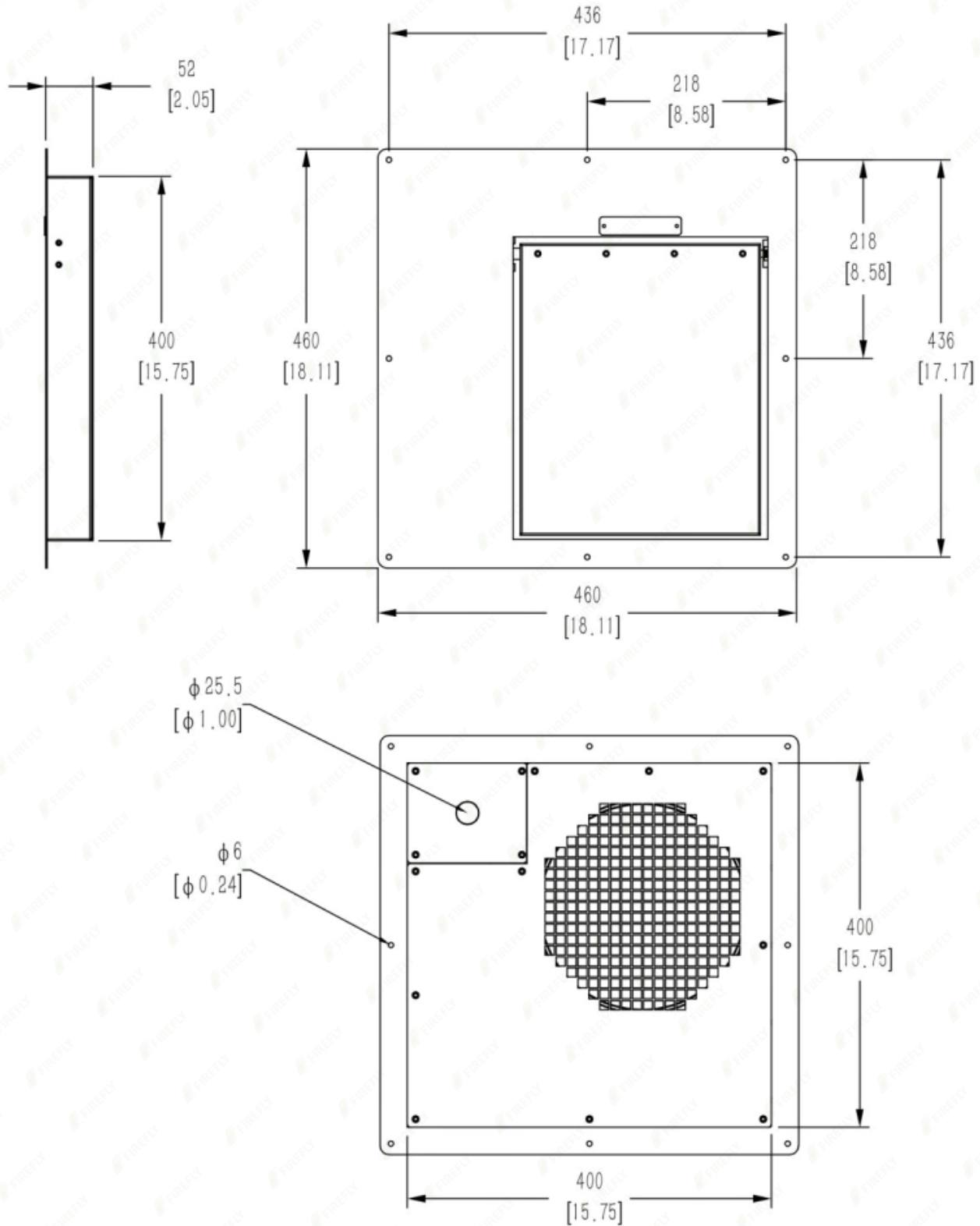
## Dimensional Drawing of Exhaust Fan

Unit : mm [inch]

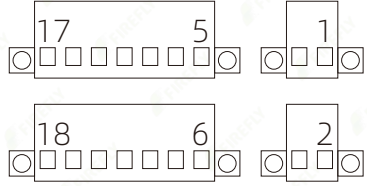


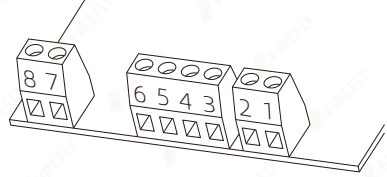
## Dimensional Drawing of Inlet Fan

Unit : mm [inch]

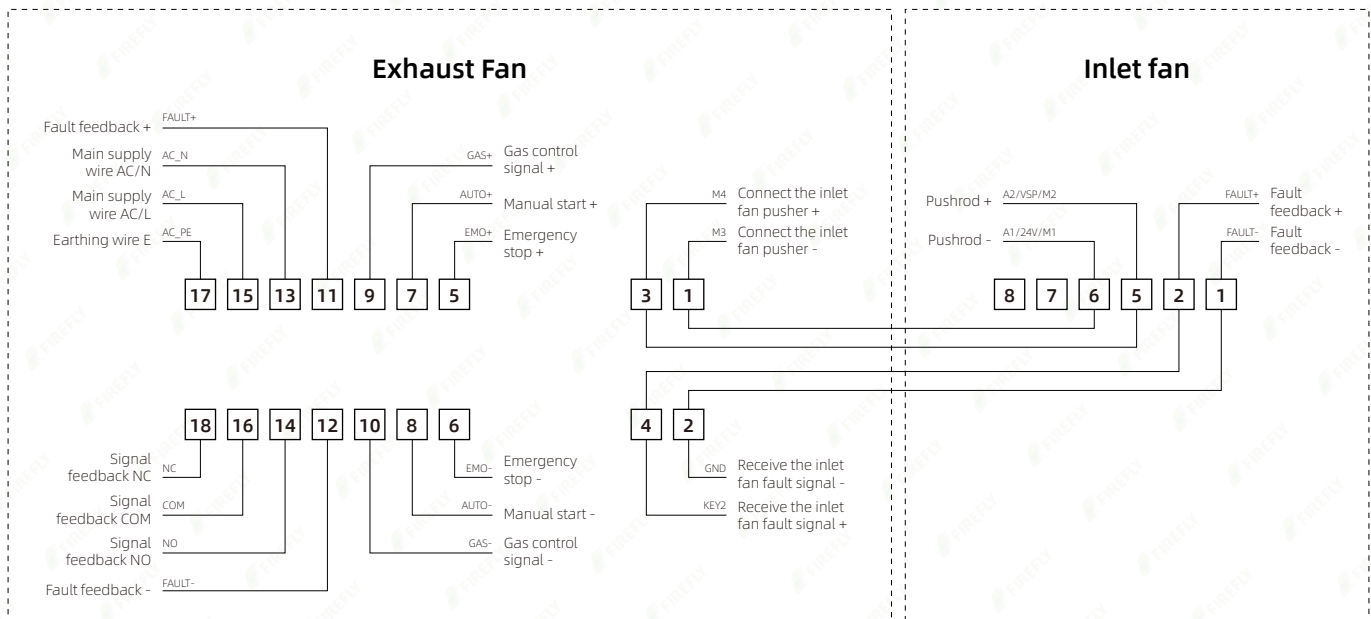


## Wiring Instructions

| Definition of exhaust fan interface |                                      |            |                      |            |                       |                                                                                     |
|-------------------------------------|--------------------------------------|------------|----------------------|------------|-----------------------|-------------------------------------------------------------------------------------|
| Serial NO.                          | Interface definition                 | Serial NO. | Interface definition | Serial NO. | Interface definition  | Connector view                                                                      |
| 1                                   | Connect the inlet fan pusher -       | 7          | Manual start +       | 13         | Main supply wire AC/N |  |
| 2                                   | Receive the inlet fan fault signal - | 8          | Manual start -       | 14         | Signal feedback NO    |                                                                                     |
| 3                                   | Connect the inlet fan pusher +       | 9          | Gas control signal + | 15         | Main supply wire AC/L |                                                                                     |
| 4                                   | Receive the inlet fan fault signal + | 10         | Gas control signal - | 16         | Signal feedback COM   |                                                                                     |
| 5                                   | Emergency stop +                     | 11         | Fault feedback +     | 17         | Earthing wire E       |                                                                                     |
| 6                                   | Emergency stop -                     | 12         | Fault feedback -     | 18         | Signal feedback NC    |                                                                                     |

| Definition of inlet fan interface |                      |            |                      |                                                                                       |
|-----------------------------------|----------------------|------------|----------------------|---------------------------------------------------------------------------------------|
| Serial NO.                        | Interface definition | Serial NO. | Interface definition | Connector view                                                                        |
| 1                                 | Fault feedback -     | 5          | Pushrod -            |  |
| 2                                 | Fault feedback +     | 6          | Pushrod +            |                                                                                       |
| 3                                 | /                    | 7          | /                    |                                                                                       |
| 4                                 | /                    | 8          | /                    |                                                                                       |

## Wiring Diagram



☆ Note: The maximum supported wire diameter is 2.5mm<sup>2</sup> (14AWG).



**FIREFLY** Excellent Brand  
Under Wanzn Energy Safety

FireFly Global Sales & Distribution

## **FireFly Safety Limited**

**Address:** 19H Maxgrand Plaza No 3 Tai Yai St San Po Kong Hong Kong

**Tel:** 00852 4613 9499

**Email:** [Firefly@fire-fly.hk](mailto:Firefly@fire-fly.hk)

**Website:** [www.fire-fly.hk](http://www.fire-fly.hk)