Honeywell

用户手册

VEC8675-系列

ERV, EV, MV 控制器

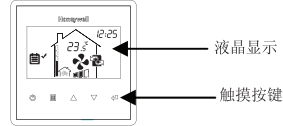50060538-001 REV.A

目录

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一 特点

- 大液晶屏白色背光
- 电容式触摸按键
- 多种工作模式,适用于不同设备种类
- 旁通控制功能,可节约能耗
- 每天8段日程设置自动控制
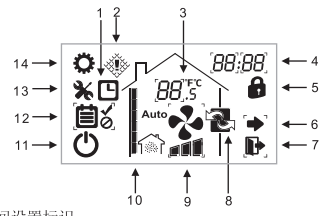- 空气质量监测及显示 *
- 根据空气质量,风速自动调整 *
- 滤网清洗报警
- 按键锁定
- 温度显示

* 仅 VEC8675WP20 型号支持,需与空气质量传感器配合使用

二 概述

1. 外形

液晶显示
触摸按键

2. 显示信息说明

1. 时间设置标识
2. 滤网清洗报警标识
3. 室温显示
4. 时钟显示
5. 键盘锁定标识
6. 日程设置时的下一步标识
7. 日程设置时的退出标识
8. 旁通状态
9. 风扇状态
10. 空气质量状态条
11. 待机标识
12. 日程设置标识
13. 安装调试标识
14. 安装设置状态

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3. 系统应用

型号	VEC8675WP20			VEC8675WP10		
系统类型	ERV	EV	MV	ERV	EV	MV
旁通	√			√		
风速	3	2	3	3	2	3
风速自动	√		√			
空气传感器	√					
温度显示	√	√	√	√	√	√
滤网报警	√	√	√	√	√	√

***本资料内介绍的操作,会因系统型号及安装人员对系统的配置不同而不同。具体情况请参考上表。**

三 操作指南

1. 时钟设置

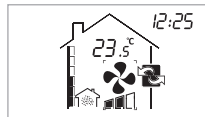系统上电或者在主界面按 📋 进入时钟设置模式,如下图:

闪烁

按▲或▼调整小时及分钟,按↵保存设置及退出。

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2. 开关机

按 ⏻ 进入或退出待机状态,如下图:

*待机显示会根据安装设置不同而有所不同。

3. 系统模式

系统有三种不同的模式.按 📋 键可在不同模式之间切换

- 风扇设置模式
- 时钟设置模式
- 日程设置模式

不同模式的首页如下所示:

风扇设置模式

时钟设置模式

日程设置模式

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4. 风扇设置

在系统默认主界面下,用户可按▲或▼调整风扇状态。

低风速   高风速
中风速   自动风速
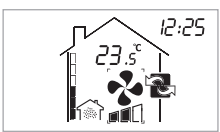
*小贴士:在按日程自动控制时风扇速度不可调。

5. 旁通设置

在系统默认主界面下,按 ↵,在打开旁通和关闭旁通之间进行切换。

旁通打开   旁通关闭

10 秒钟后,系统执行设置。
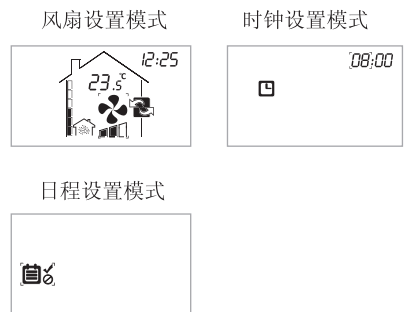
6. 日程设置

按 📋 进入日程设置模式
按 ▲ 或 ▼ 打开或关闭日程功能,选择状态的相应图标闪烁。
选择 📋✓ 启用日程自动控制,按 ↵ 保存设置,进入日程设置的下一步。
禁用日程自动控制选择 📋ø

有 8 个时段可供选择。按 ▲ 或 ▼ 选择想要设置的时间段,然后按 ↵ 确认。

按 ▲ 或 ▼ 设置此时段系统开始运行的时间。按 ↵ 确认,进入风速设置。

按 ▲ 或 ▼ 选择高、中、低、自动或关闭风扇,按 ↵,进入下一步。

风扇关闭

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按 ▲ 或 ▼ 选择 ➡ 进入下一时段设置,或选择 ➡ ,保存之前设置,退出到主界面。

➡ 日程设置保存并进入下一步标识
➡ 日程设置保存并退出标识

*小贴士:在设置某个时段期间,按 📋 可以禁用或启用此时段。
--:-- 表示该时段被禁用。

7. 滤网报警

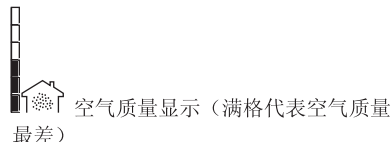当系统中设定的滤网清洗时间到达时,滤网报警图标 ❄ 会闪烁,如下图所示。

闪烁

此时需要维护人员更换或清洗滤网。更换或清洗滤网之后,同时按住 📋 和 ↵ 并保持 3 秒,滤网报警图标消失,系统将重新计时。

* 小贴士:滤网报警功能和报警周期可以在安装设置表中配置,报警周期是指风机实际工作时间。

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8. 其他

🔒 键盘锁定图标
⚙ 安装设置(ISU)
✳ 安装调试
20.5℃ 室温显示

空气质量显示(满格代表空气质量最差)

四 故障排除

故障现象	解决方案
空气质量条闪烁	▪ 检查空气质量传感器工作是否正常 ▪ 检查安装设置选项中系统类型设置是否正确 (ISU-1)
缺少一个或多个风速	▪ 检查电源盒接线端子"高","中","低"接线是否正确 ▪ 检查安装设置选项中设置的系统类型和风机控制设置是否正确 (ISU-1 和 ISU-5)
旁通功能不起作用	▪ 检查 ERV 设备是否支持旁通功能。 ▪ 检查电源盒接线端子"旁通"接线是否正确 ▪ 检查安装设置选项中设置的旁通功能是否启用 (ISU-2)
滤网报警 ❄ 闪烁	▪ 清洗或更换滤网之后同时按住 📋 和 ↵ 并保持 3 秒消除报警图标 ▪ 检查安装设置选项中滤网报警功能设置是否正确 (ISU-3 和 ISU-4)
按键不起作用	▪ 检查安装设置选项中键盘锁功能设置是否正确 (ISU-10)

* 关于安装设置及安装调试的详细操作,请参考安装手册。

OPERATING INSTRUCTIONS

VEC8675-Series
## ERV, EV, MV Controller

Contents

I. Features

➢ Large LCD display with white backlight
➢ Capacitive Touch Button
➢ Support multiple applications with configurable features
➢ Bypass function for energy saving
➢ Programmable control on 8 periods per day
➢ Air quality display *
➢ Auto fan control by air quality *
➢ Filter warning
➢ Keypad lock function
➢ Temperature display

* Only available for VEC8675WP20

II. Get to Know Your Controller

1. Appearance

LCD

Touch Buttons
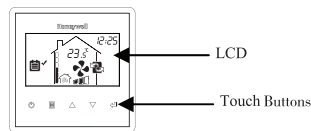
2. Display Information Instruction

1. Real Time Clock Setting
2. Filter warning
3. Indoor Temperature
4. Real Time Clock Display
5. Keypad Lock
6. Operation Tips: Next step in schedule setting
7. Operation Tips: Exit schedule setting
8. Bypass Setting
9. Fan Setting
10. Air Quality Bar
11. System Off Indicator
12. Schedule setting and Indicator
13. Installer Test
14. Installer Setup

3. System Applications

Model	VEC8675WP20			VEC8675WP10		
System type	ERV	EV	MV	ERV	EV	MV
Bypass	√			√		
Fan speed	3	2	3	3	2	3
Fan Auto speed	√		√			
Air sensor	√		√			
Temperature display	√	√	√	√	√	√
Filter warning	√	√	√	√	√	√

*ERV: Energy Recovery Ventilator
*EV: Exhaust Ventilator
*MV: Mechanical Ventilator without heat exchange

*Tip: The operation and display of this instruction may be different with your ERV controller, depending on the system configuration by installer. Please refer to above table for different system applications.

III. Operating Your ERV Controller

1. Clock Setting

After power up or tapping 🗐, system enters clock setting mode and LCD should display clock setting as following:

Flashing

Tap ▲ or ▼ to set clock, and tap ⏎ to confirm and exit.

2. Power On/Off

Tap ⏻ to power on/off the product.

*The display items of Power off mode depend on the system configuration.
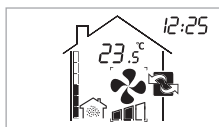
3. System Setting Mode

The ERV Controller includes following setting modes:
• Fan Setting
• Clock Setting
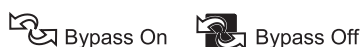• Schedule Setting

Tap 🗐 can switch mode.

Fan Setting

Clock Setting

Schedule Setting

4. Fan Setting

Tap ▲ or ▼ to select fan mode among Low, Med, High or Auto in home screen.

Fan speed Low
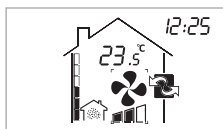
Fan speed High

Fan Speed Medium

Fan speed Auto

*Tip: User can not operate the fan speed under the schedule mode.

5. Bypass Setting

Bypass On   Bypass Off

In home screen tap ⏎ to switch bypass between 'on' and 'off'.

After 10 seconds, system runs the selection.

6. Schedule Setting

Tap 🗐 to enter schedule setting mode.
Tap ▲ or ▼ to enable/disable schedule function, the selected state should be flashing and tap ⏎ to confirm.
Enable schedule function 🗐✓, and tap ⏎ to set schedule.
The schedule function also can be disabled by select 🗐∅.

Tap ▲ or ▼ to select desired period and tap ⏎ to confirm, there are 8 periods can be selected.

Tap ▲ or ▼ to set the time for this period and tap ⏎ to confirm and enter into fan speed setting.

Tap ▲ or ▼ select fan speed and tap ⏎ to next step.

Fan Off

Tap ▲ or ▼ to select ➡ and tap ⏎ to next period setting, or select ▶ and tap ⏎ to confirm and exit schedule setting.
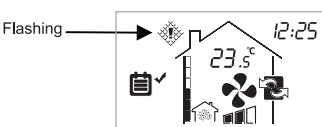
➡ Next item
▶ Save and Exit

* Tip: Tap 🗐 to disable/enable the selected period.
--:-- Means the period is disabled in schedule setting.

7. Filter Warning

Filter Warning icon ❋ will be flash if configured time is out.

Flashing

After flush or replace the filter, touch and hold both of 🗐 and ⏎ for 3 seconds the filter warning icon will be cleared and system will recalculate the time.

* Filter warning function and period can be configured in Installer Setup (ISU), the filter warning period is calculated by fan working time.

8. Others

🔒 Button Lock
⚙ Installer Setup (ISU)
✖ Installer Test
$20.5^{\circ C}$ Indicates room temperature
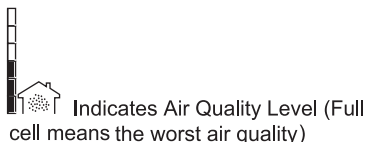
Indicates Air Quality Level (Full cell means the worst air quality)

IV. Troubleshooting Tips

If…	Then…
Air Quality bar flashing	Check the air sensor damaged or not Check the system type in system configuration (ISU-1)
Missing one or more fan speed	Check the wiring of terminals FH, FM And FL is correct or not Check the system type and fan control type in system configuration (ISU-1 and ISU-5)
Bypass function doesn't work	Check the ERV equipment support bypass function or not Check the wiring of terminal BP ON/OFF is correct or not Check the bypass enabled or not in system configuration (ISU-2)
Filter Warning icon ❋ is flashing	Flush or replace the filter and touch and hold both of 🗐 and ⏎ for 3 seconds to clear warning Check the system configuration (ISU-3 and ISU-4)
The button doesn't work	Check the system configuration if the button are locked (ISU-10)

* Tip: For setting Installer SetUp (ISU) please refer to Installation Guide.