



# ERV Intelligent Controllers

HOLTOP







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Type	Main Functions
HDK-10 intelligent controller 	<ol style="list-style-type: none"> <li>1) Individual supply and exhaust fan speeds and</li> <li>2) outdoor temperature, indoor temperature, supply air temperature</li> <li>3) weekly timer function</li> <li>4) Auto bypass and auto defrost</li> <li>5) Integrated RS485 connector for multi controller</li> <li>6) External on/off control and fire alarm control</li> <li>7) Faulty signal output for monitoring</li> <li>8) Night free cooling function</li> <li>9) Optional CO2 sensor and humidity sensor to control</li> <li>10) Optional electrical heater for supply air or outdoor air (alternative for heating)</li> <li>11) Optional central control by one multi controller (up to 16 controllers)</li> </ol>
Touch screen intelligent controller 	<ol style="list-style-type: none"> <li>1) Individual supply and exhaust fan speeds and</li> <li>2) outdoor temperature, indoor temperature, supply air temperature</li> <li>3) weekly timer function</li> <li>4) Auto bypass and auto defrost</li> <li>5) Integrated RS485 connector for multi controller</li> <li>6) External on/off control and fire alarm control</li> <li>7) Faulty signal output for monitoring</li> <li>8) Night free cooling function</li> <li>9) Optional CO2 sensor and humidity sensor to control</li> <li>10) Optional electrical heater for supply air or outdoor air (alternative for heating)</li> <li>11) Optional central control by one multi controller (up to 16 controllers)</li> </ol>

# Control System

Controller	 LH-10705/10707		 10307		 HDK-08S	 HDK-BD01
Type	Intelligent control				Standard control	
Suitable series	*DMTH, *DCTP, *Eco-slim, *Miss slim, *PMTH, *TH, *TZ		*TG, *PMTG		*DMTH, *DCTP, *Eco-slim, *Miss slim, *PMTH, *TH, *TZ	
Temperature display	OA/RA/SA/FR temp.		OA/RA/SA/FR temp.		Room temp.	
Speed selection	●		●		●	●
Weekly timer	●		●		●	●
Bypass	Auto	✗	Auto	✗	Manually	✗
External ON/OFF	●		●		✗	✗
Comfortable heater control	●		●		✗	✗
Defrosting	●		●		✗	✗
CO <sub>2</sub> control	●		●		✗	Supply air PM2.5 & IAQ display
Filter alarm	●		●		●	●
Fault alarm	●		●		✗	✗
Data memory	●		●		✗	✗
Night free cooling	●	✗	●	✗	✗	✗
BMS integration (RS485 connector)	●		●		✗	✗
Humidity control	●		✗		✗	✗
Defrosting heater control	●		●		✗	✗
Working condition monitor	●		●		✗	Auto / manual running mode selection

● : Applicable    ✗ : Not Applicable

## Remarks

- The standard control panel for G series and XHBO-L40D-L60D is HDK-09D, with functions of independent ON/OFF of supply and exhaust fan, indoor temperature measurement and temperature value revision.
- XHBO-L75D-L200D is using the control box with functions of independent ON/OFF of supply and exhaust fan, safe protection and fault alarm.
- Eco-clean forest type ERVO-B150-1A1F, ERVO-L300-1A1F and ERVO-L300-1A1F has standard touch screen controller not listed.



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Product link : <https://www.holtop.net/product/20.html>