

• **EIS** ENERGY SAVE

**NordFlex**

Cascade module  
CM-AW6/19-M



# Content

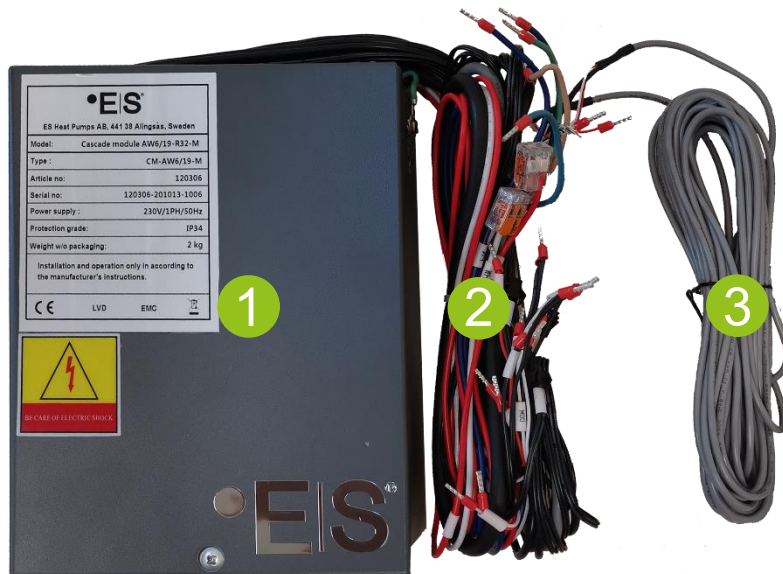
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<b>1</b>	<b>Included in the package</b>	<b>3</b>
1.1	NordFlex system connections	4
<b>2</b>	<b>Cascade system</b>	<b>5</b>
2.1	NordFlex system illustration	5
2.2	Cascade module	6
2.3	Installation of cascade module	7
2.4	Cable connections	8

# 1 Included in the package

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The cascade module is designed for applying for two applications – NordFlex systems and Single system usage). For that reasons additional components are included in the package that are not needed for the NordFlex systems and can be removed.



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## 1 Cascade module

All cables are preconnected except the communication cable for the NordFlex system.

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## 2 Pre-connected cables

Not all cables used for NordFlex system. Some must be disconnected or insulated so it doesn't cause any short-circuits!

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## 3 Communication cable

Communication cable to cascade system.

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## 1.1 NordFlex system connections

### NordFlex system (cascade system)

Power supply



P0, PN



TO2



TI2



FSW



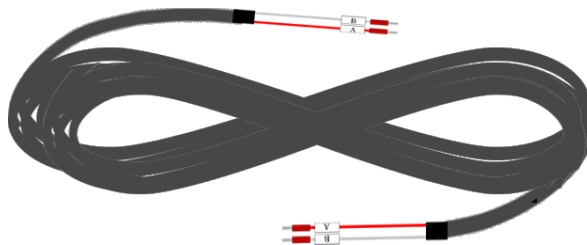
Tup



A, B

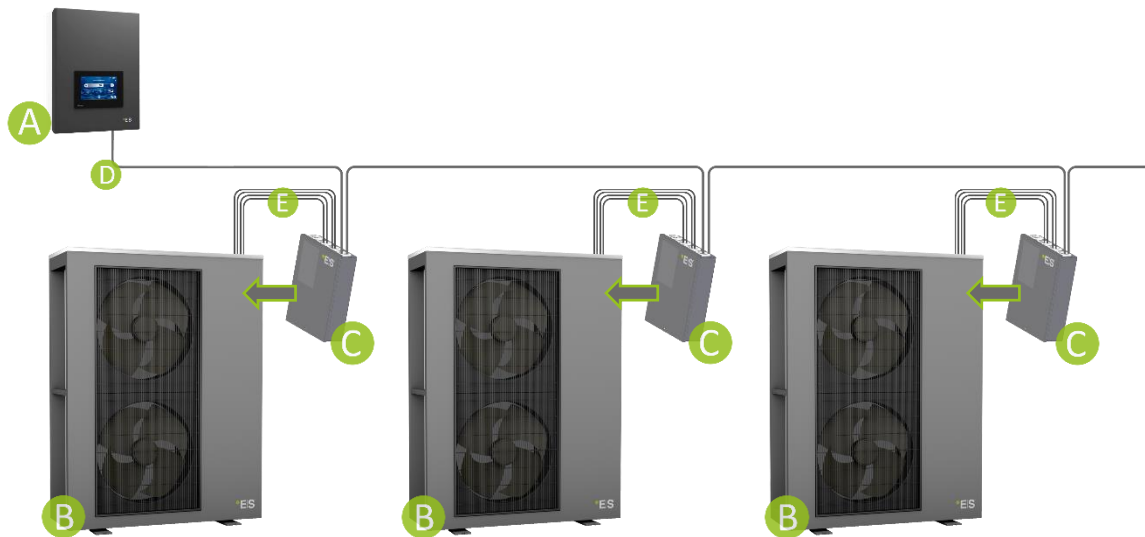


Communication cable  
A, B  
(in the package)



## 2 Cascade system

### 2.1 NordFlex system illustration

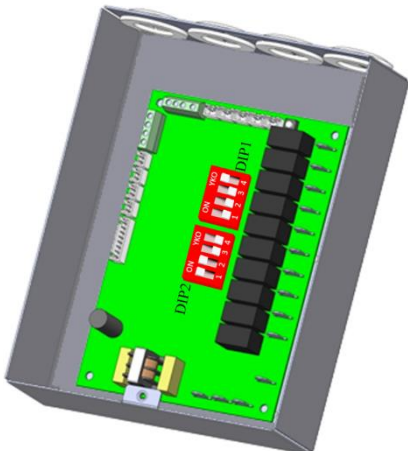




<b>A</b> NordFlex controller (CCV)	Main controller for the cascade system
<b>B</b> Outdoor unit	Outdoor units – up to 7 in cascade
<b>C</b> Cascade module	The module needs to be installed into the outdoor unit
<b>D</b> Communication connection	Indoor controller to cascade module PCB - A, B communication (Modbus)
<b>E</b> Cable connection of cascade module	To outdoor unit terminals

## 2.2 Cascade module

### DIP Switch setting

Each cascade module needs a unique setting of the address (1 to 7). This is done with the dip switches on the cascade module.

Cascade module	Dip switches - DIP2	Dip switches - DIP1
	 <p><b>Note:</b> DIP2 switch must be set as shown above!</p>	 <p>In this example it is set to heat pump #1</p>

Address	Dip1 - 1	Dip1 - 2	Dip1 - 3	Dip1 - 4
No selection	OFF	OFF	OFF	OFF
# 1	OFF	OFF	OFF	ON
# 2	OFF	OFF	ON	OFF
# 3	OFF	OFF	ON	ON
# 4	OFF	ON	OFF	OFF
# 5	OFF	ON	OFF	ON
# 6	OFF	ON	ON	OFF
# 7	OFF	ON	ON	ON

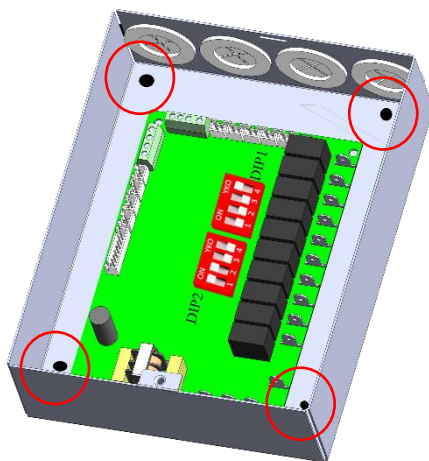


## 2.3 Installation of cascade module

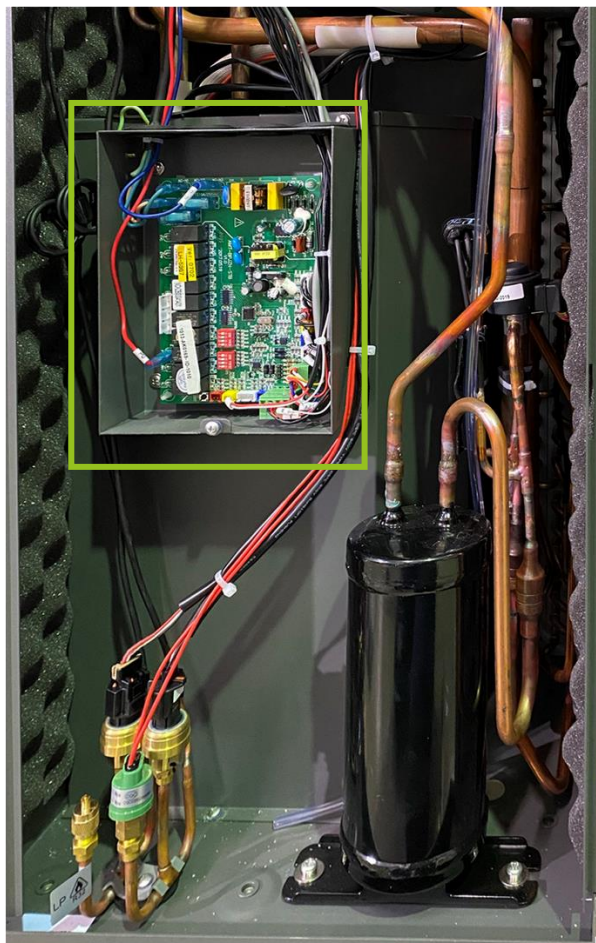


Install the cascade module into the outdoor unit on the compressor isolation casing.

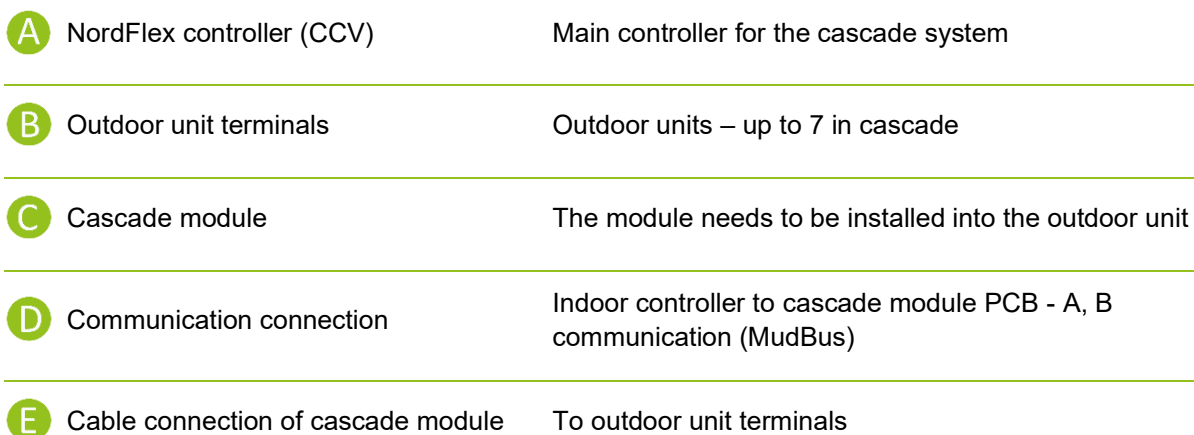
**Mounting wholes**



**Side view**



## Outdoor unit





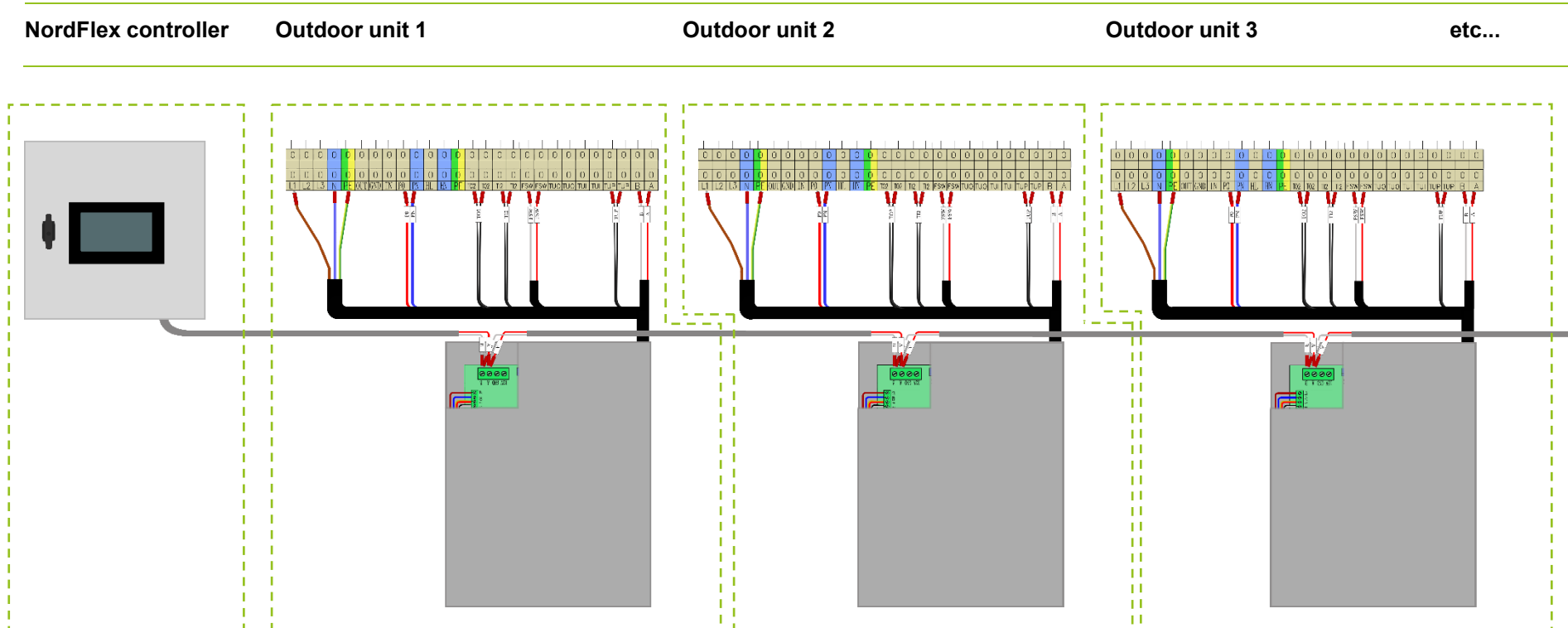
### NordFlex controller

### Outdoor unit 1

## Outdoor unit 2



## Cascade system with multiple units



## Dear Customer!

We would like to thank you for reading this manual.

For more information, feel free to contact us.

Your ES team.

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