Notes:
1. Refer to WUC 160 and WLA 330 instructions for additional details.

2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.

3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.

4. All wiring shown, including module operator, is 24V dc. All wiring between VMS units, controller, switch and sensor is provided by the installer.

5. Exact location of venting module within each VMS assembly shall be coordinated to match installed assembly onsite. Location of venting module within each assembly on this sheet is shown for illustration purposes only.

6. Venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.

7. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.

8. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
   9. VELUX recommends DIP switch setting of: 1=on, 2=off, 3=on, 4=on, 5=off, 6=off

   These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal opening for 10 minutes.

   For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.
Notes:

1. Refer to WUC 160 and WLA 330 instructions for additional details.

2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.

3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.

4. All wiring shown, including module operators, is 24V dc. All wiring between VMS units, controller, switch and sensor is provided by the installer.

5. Exact location of venting modules within each VMS assembly shall be coordinated to match installed assembly onsite. Location of venting modules within each assembly on this sheet is shown for illustration purposes only.

6. Each Venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.

7. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.

8. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
   9. VELUX recommends DIP switch setting of:
      1=on, 2=off, 3=on, 4=on, 5=off, 6=off

      These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal opening for 10 minutes.

      For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.
Notes:
1. Refer to WUC 160 and WLA 330 instructions for additional details.
2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.
3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.
4. All wiring shown, including module operators, is 24V dc. All wiring between VMS units, controller, switch and sensor is provided by the installer.
5. Exact location of venting modules within each VMS assembly shall be coordinated to match installed assembly onsite. Location of venting modules within each assembly on this sheet is shown for illustration purposes only.
6. Each Venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.
7. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.
8. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
   9. VELUX recommends DIP switch setting of:
      1=on, 2=off, 3=on, 4=on, 5=off, 6=off

These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal opening for 10 minutes.

For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.
**Notes:**

1. Refer to WUC 160 instructions for additional details.

2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.

3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.

4. All wiring shown, including blinds, is 24V dc. All wiring between VMS units, controller, and switch is provided by the installer.

5. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.

6. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
Notes:
1. Refer to WUC 160 instructions for additional details.
2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.
3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.
4. All wiring shown, including blinds, is 24V dc. All wiring between VMS units, controller, and switch is provided by the installer.
5. Each electric blind cable has a brown, white and black conductor; only brown and white conductors are used. Black conductor is not used.
6. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
Notes:
1. Refer to WUC 160 instructions for additional details.

2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.

3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.

4. All wiring shown, including blinds, is 24V dc. All wiring between VMS units, controller, and switch is provided by the installer.

5. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.

6. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
Notes:
1. Refer to WUC 160 instructions for additional details.

2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.

3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.

4. All wiring shown, including blinds, is 24V dc. All wiring between VMS units, controller, and switch is provided by the installer.

5. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.

6. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.

VMS Wiring Overview
Maximum 16 Blinds and No Venting Modules

ZZZ 240
Open/Close/Stop
Wall Switch
Controls Blinds

WUC 160
Motor Controller

120 VAC
120 V power by installer.

VMS Blinds

16 VMS modules shown, but this same blind configuration is also used for 13 to 16 VMS modules with blinds

VMS Wiring Diagram
Maximum 16 Blinds and No Venting Modules

ZZZ 240
Open/Close/Stop
Wall Switch

Electric Blinds
Sixteen blinds shown, but 13 to 16 blinds can be wired using same wiring between controller, blinds and switch as shown
VMS Wiring Overview – 1 Venting Module & 2 Blinds

ZZZ 240
Open/Close/Stop
Wall Switch
Controls Venting Modules

ZZZ 240
Open/Close/Stop
Wall Switch
Controls Electric Blinds

WLA 330 Wind/Rain Sensor
WUC 160 Motor Controller

Notes:
1. All wiring shown, including module operators, is 24V dc.
2. Each venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.
3. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.
4. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.
5. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
6. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
VELUX recommends DIP switch setting of:
1=on, 2=off, 3=on, 4=on, 5=off, 6=off

These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal operation for 10 minutes.

For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.

VMS Wiring Diagram
1 Venting Module & 2 Blinds

ZZZ 240
Open/Close/Stop
Wall Switch
Electric Blinds

WUC 160
Motor Controller MC

WLA 330 Wind/Rain Sensor

VMS 120 V power by installer.
VMS Wiring Overview – 1 Venting Module & 3 Blinds

ZZZ 240
Open/Close/Stop
Wall Switch
Controls Venting Modules

ZZZ 240
Open/Close/Stop
Wall Switch
Controls Electric Blinds

WLA 330
Wind/Rain Sensor

WUC 160
Motor Controller

Notes:
1. All wiring shown, including module operators, is 24V dc.
2. Each venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.
3. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.
4. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.
5. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
6. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
   VELUX recommends DIP switch setting of:
   1=on, 2=off, 3=on, 4=on, 5=off, 6=off
   These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal operation for 10 minutes.
   For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.
VMS Wiring Overview – 2 Venting Module & 4 Blinds

Notes:
1. All wiring shown, including module operators, is 24V dc.
2. Each venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.
3. Each electric blind cable has a brown, white and black conductor, only brown and white conductors are used. Black conductor is not used.
4. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.
5. Maximum of four electric blinds can be wired to each terminal pair, for example terminals 1.1 and 1.2.
6. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
VELUX recommends DIP switch setting of:
1=on, 2=off, 3=on, 4=on, 5=off, 6=off

These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal opening for 10 minutes.

For testing purposes all DIP switches should be set to "OFF" position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.
VMS Wiring Overview – 3 Venting Module & 10 Blinds

Notes:
1. Refer to WUC 160 and WLA 330 instructions for additional details.
2. All electrical work should be performed by a licensed electrician in accordance with all codes and ordinances.
3. Switch is 15 amp, 120/277 Volt, single pole, double throw maintained contacts with center off.
4. All wiring shown, including module operators, is 24V dc. All wiring between VMS units, controller, switch and sensor is provided by the installer.
5. Exact location of venting modules within each VMS assembly shall be coordinated to match installed assembly onsite. Location of venting modules within each assembly on this sheet is shown for illustration purposes only.
6. Each Venting module operator cable has a brown, white and green conductor, only brown and white conductors are used.
7. Only one venting module operator can be wired to each terminal pair, for example terminals 1.1 and 1.2.
8. WLA 330 Wind/Rain Sensor - DIP Switch Settings:
   9. VELUX recommends DIP switch setting of: 1=on, 2=off, 3=on, 4=on, 5=off, 6=off

   These settings will close the skylights at wind speeds over 22 mph, 5 seconds after detection. There will be a 10 minute override of normal opening operation of the skylights after the last detection of 22 mph winds. After rain is last detected these settings will override normal operation for 10 minutes.

   For testing purposes all DIP switches should be set to “OFF” position. During testing the wind sensor is activated anytime the wind wheel is turning and the rain sensor is activated anytime the rain sensor is wet. There is no override of normal operation in test mode.

VELUX

VMS Wiring Diagram - 3 Venting Module & 10 Blinds
See wiring diagram for three venting modules on page 3 and wiring diagram for 12 electric blinds on page 6.
A #10 Torx bit is needed to remove cover for connection of 120V power to motor controller.