

A large, white, five-bladed HVLS (High Volume, Low Speed) fan is the central focus of the image. The fan is mounted on a black central hub with the 'Hunter Industrial' logo. The blades are white with three screws each. The background is a large industrial warehouse with a high ceiling, steel beams, and various equipment. The right side of the image has a green vertical overlay containing the Hunter logo and the text 'HVLS' and 'INSTALLATION MANUAL'.

Hunter[®]
INDUSTRIAL & COMMERCIAL DIVISION

HVLS

**INSTALLATION
MANUAL**

LEGACY

The Hunter legacy is not only about quality—it's about longevity. We invented the ceiling fan. We build fans that last, fans that are designed as fans. We design our fans while considering each person in the process—from the installer to the owner.



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INSTALLATION

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BEFORE YOU BEGIN

SAFETY & PRECAUTIONS

Important Safety Information

To prevent **SERIOUS INJURY, DEATH, and PROPERTY DAMAGE**, you should read, understand, and follow the warnings and instructions in this manual before installing or operating the fan.

⚠ READ AND SAVE THESE INSTRUCTIONS. This manual must always be kept with the fan and should remain with the fan if it is transferred or sold. Always give manual to fan owner following installation.



WARNING



FIRE, ELECTRIC SHOCK AND CRUSH HAZARDS.

TO PREVENT SERIOUS INJURY OR DEATH:

- **ALWAYS** mount fan directly from building structure that can withstand double the maximum hanging fan weight and install the Retention Cable.
- **BEFORE** installing or servicing your fan, **ALWAYS** disconnect the power by turning off the circuit breaker or breakers to the fan locations. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the electrical panel.
- All wiring must be in accordance with national and local electrical codes, including ANSI/NFPA 70. If you are unfamiliar with wiring or are in doubt, consult a qualified electrician.
- **DO NOT** install fan to be used in the presences of flammable vapors and gases or in environments where combustible dust is present.
- **DO NOT** bend the blades or blade holders when installing or cleaning the fan.
- **DO NOT** insert foreign objects in between rotating fan blades.
- To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made At Home Using A 3D Printer).
- Fans should be installed on a standard (non-GFI) breaker or a breaker specifically rated for VFD equipment with a higher tolerance for this type of electrical behavior.

Installation, adjustment, repair, or maintenance must be performed by qualified personnel.

Follow all safety practices and instructions during the installation, operation, and servicing of the fan. Failure to apply these safety practices could result in death or serious injury. If you do not understand the instructions, please call our Technical Department at 1-844-591-3267 (FANS) for guidance, or email us at: fansupport@hunterfan.com

Always check federal, state, and local codes before installing fan.

Code compliance is the responsibility of the installer. Check all relevant codes to make sure that all product certifications, product listings, and building regulations are met.

Professional installation practice requires following local utility company guidelines for connecting to AC mains. This unit is for professional use only and is not required to comply with EN 61000-3-2:2006. This

fan conforms to ANSI/UL standard 507, Electric Fans and is certified to CSA STD C22.2 No. 113, Fans & Ventilators.



CONFORMS TO UL STD 507 CERTIFIED TO CAN/CSA STD C22.2 NO. 113





BEFORE YOU BEGIN

SAFETY & PRECAUTIONS



WARNING **ELECTRIC SHOCK HAZARD**

TO PREVENT SERIOUS INJURY OR DEATH:

- **BEFORE** installing or servicing your fan, **ALWAYS** disconnect the power by turning off the circuit breaker or breakers, to the fan locations and confirm Lockout/Tagout procedures are in place. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the electrical panel.
- **All wiring must be in accordance with national and local electrical codes, including ANSI/NFPA 70. If you are unfamiliar with wiring or in doubt, consult a qualified electrician.**
- **Do not use an extension cord with fan.**
- **Do not remove covers while power is on.**
- **Do not use improper voltage source.**

All fan controls and incoming power should be installed only by qualified technicians familiar with the requirements of the National Electrical Code and local codes. Failure to follow these guidelines will void the manufacturer's warranty.

All electrical controls are configured at the factory and are ready to use. No user adjustments are available. Follow the included installation instructions when installing this device to ensure proper operation. Do not make any changes to any part of the fan without first consulting Hunter Industrial. Installation is to be in accordance with ANSI/NFPA 70: National Electrical Code and local codes.

The user is responsible for compliance with all international and National Electrical Code requirements with respect to grounding of all equipment. Many of the parts of this unit operate at line voltage.

Before installing, servicing, or cleaning the unit, switch power off at the service panel, lock the service disconnecting means, and confirm Lockout/Tagout procedures are in place to prevent power from being switched on accidentally. When the service disconnect means cannot be locked, securely fasten a prominent warning sign, such as a tag, to the service panel.

To reduce the risk of electric shock, serious injury, and death, only use this unit as intended by the manufacturer. If you have any questions, call our Technical Department at 1-844-591-3267 (FANS), or email us at: fansupport@hunterfan.com



CONFORMS TO UL STD 507 CERTIFIED TO CAN/CSA STD C22.2 NO. 113





BEFORE YOU BEGIN

SAFETY & PRECAUTIONS



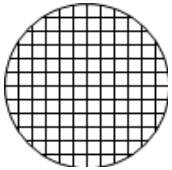
WARNING



CRUSH HAZARD

To prevent serious injury or death, **ALWAYS** attach the Retention Cable to the fan motor and secure to the building structure on **EVERY** fan.

The Retention Cable, if installed per Hunter Industrial specifications, can limit the distance the fan could fall in the unlikely event of mounting system failure. Failure to install and to secure the retention cable will void your warranty.



Mark the Floor to Alert Personnel

When mounting a fan in an area where materials could be elevated and contact the rotating fan blades, be sure to mark or rope off the area of install.

Weight and Torque Considerations

Always mount fan directly to building structure that can withstand approximately double (2x) the maximum hanging weight of the fan.

The maximum fan hanging weight and torque is as follows:

MAXIMUM	HANGING WEIGHT	TORQUE
Titan 7.3 m (24')	96 kg (212 lb)	102 N·m (75 ft-lb)
ECO 7.3 m (24')	68 kg (150 lb)	102 N·m (75 ft-lb)
RM 4.3 m (14')	61 kg (135 lb)	102 N·m (75 ft-lb)

If there is any uncertainty about the potential for the building structure to withstand double the maximum hanging weight of the fan, a professional structural engineer should perform a thorough evaluation of the building prior to purchasing the fans. Hunter Industrial provides guidelines for mounting fans; however, it is the sole responsibility of the building owner and installer to ensure the safety of the mounting system and retention cable, the building structure is sound, and the installation complies with all federal, state, and local codes.

Always use Personal Protective Equipment

You should always wear Personal Protective Equipment, such as a Hard Hat, Safety Glasses, and a Fall Harness when installing industrial fans.

Damaged Equipment

Never operate or install any fans or fan accessories that appear to be damaged. Failure to follow this instruction can result in death, serious injury or equipment damage.

To reduce the risk of personal injury, do not bend the blades or blade holders when installing or cleaning the fan.

Do not insert foreign objects in between rotating fan blades.

Service

If the fan does not operate properly using the procedures in this manual, remove all power to the unit and contact our Technical Department for further assistance at 1-844-591-3267 (FANS), or email us at: fansupport@hunterfan.com



BEFORE YOU BEGIN

FAN PLACEMENT

⚠ ALWAYS MOUNT FAN SO THE BOTTOM EDGE OF BLADE TO THE FLOOR IS AT LEAST 3 METERS (10 FT) FROM THE FLOOR AND AT LEAST 25% OF FAN DIAMETER FROM THE CEILING.

A large fan, 6m to 7.3m (20ft to 24 ft) in diameter, performs best at 6m to 9m (20ft to 30ft) above the floor, but acceptable performance has been demonstrated as low as 3m (10 ft) and as high as 15m (50 ft).

Always mount fans away from the following:

Sprinkler Systems

Prior to installing fans, review all codes applicable to sprinkler systems and fans to ensure code compliance and refer to NFPA 13: Fire Sprinkler System Installation. In any installation where fire sprinklers are present, the fan should not interfere with their operation.

- Fans should be located at least 90cm (3 ft) below a sprinkler deflector.
- Fans should be centered between 4 adjacent sprinklers.
- The Industrial Control Panel should be connected to a fire relay system, which can stop the fans in the event a fire occurs.

It is your responsibility that the installation complies with the applicable codes. For assistance, please call our Technical Department at 1-844-591-3267 (FANS), or email us at: fansupport@hunterfan.com

Walkways and Mezzanines

If the building has elevated walkways or mezzanines, mount the fans so that a person cannot reach the rotating blades in any way. Position fans so that the tips of the blades are at least 1.5m (5 ft) away from any area where a person may be able to extend outward to reach them.

Lights and Skylights

If possible, avoid mounting fans directly below lights or skylights to avoid any strobe effect caused by moving blades.

There should be a minimum of 61cm (2 ft) between the blades and any light fixture.

Air Discharge Locations

Fans should not be located directly beneath any vertical air discharge. This includes air conditioning units and evaporative coolers. Such equipment can be used effectively in conjunction with high-volume, low-speed (HVLS) fans; however the discharge of the unit must be located outside the swept area and at a distance of at least two times the diameter of the fan. For horizontal air discharge, the fan cannot be placed in direct path at any distance.

Windy Locations

Do not operate or install fans in outdoors or in areas exposed to wind. Failure to follow this instruction can result in death, serious injury, or equipment damage.

Wet Locations

DO NOT locate fans where they may come into direct contact with water. These fans are only suitable for mounting in damp locations.

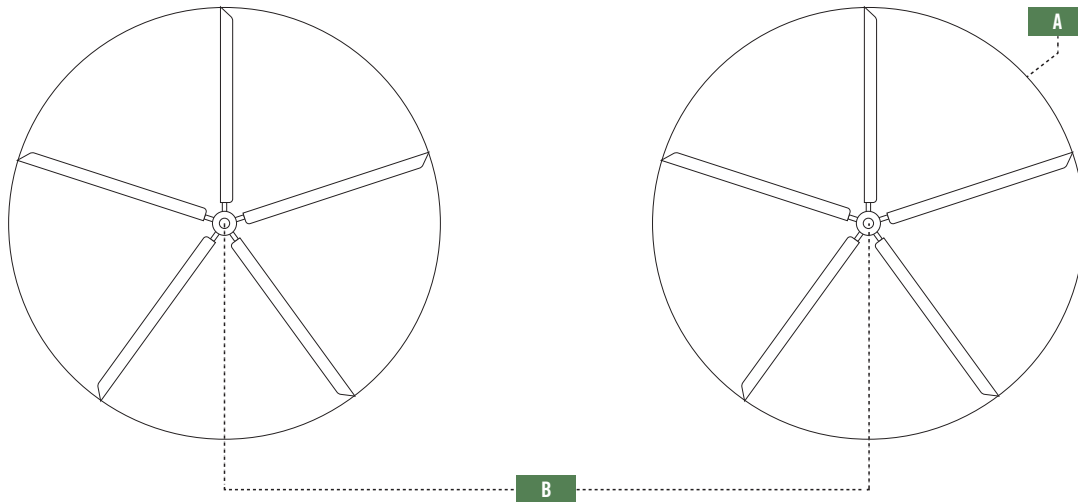
Other HVLS Fans

See the chart on the next page to determine proper spacing between adjacent fans.



BEFORE YOU BEGIN

FAN PLACEMENT

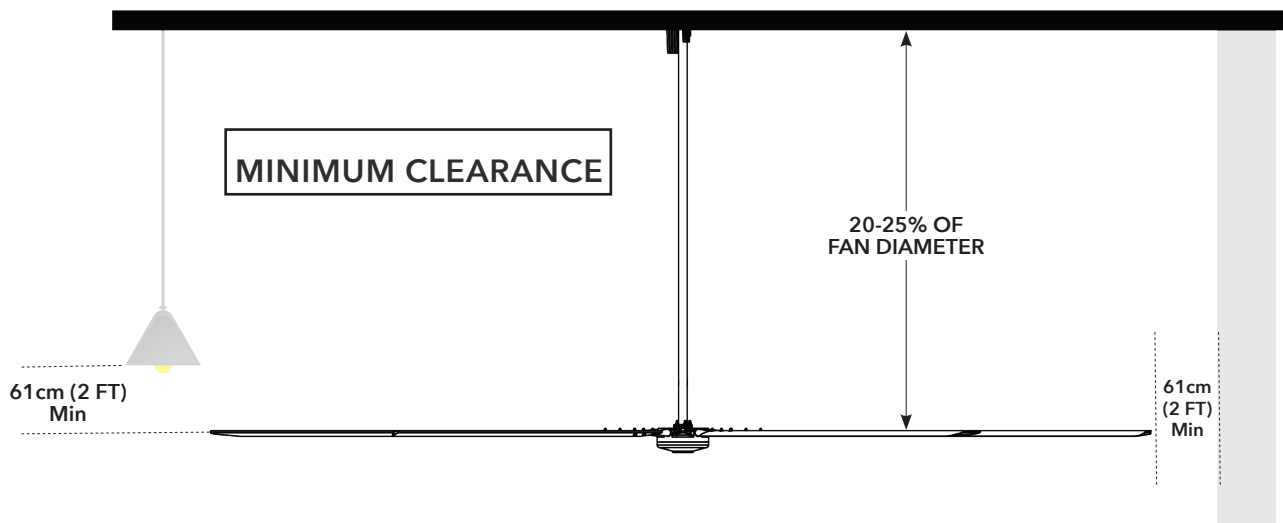


FAN PLACEMENT: FAN SPACING CHARTS

ECO	
A	B
DIAM.	MIN-MAX
7.3 m (24ft)	18.3 m - 29.3 m (60ft - 96ft)
6.1 m (20ft)	15.2 m - 24.4 m (50ft - 80ft)
5.5 m (18ft)	13.7 m - 22.0 m (45ft - 72ft)
4.9 m (16ft)	19.5 m - 24.4 m (64ft - 80ft)
4.3 m (14ft)	10.7 m - 17.1 m (35ft - 56ft)
3.7 m (12ft)	9.1 m - 14.6 m (30ft - 48ft)
3.0 m (10ft)	7.6 m - 12.2 m (25ft - 40ft)
2.4 m (8ft)	6.1 m - 9.8 m (20ft - 32ft)

TITAN	
A	B
DIAM.	MIN-MAX
7.3 m (24ft)	18.3 m - 36.6 m (60ft - 120ft)
6.1 m (20ft)	15.2 m - 30.5 m (50ft - 100ft)
5.5 m (18ft)	13.7 m - 27.4 m (45ft - 90ft)
4.9 m (16ft)	12.2 m - 24.4 m (40ft - 80ft)
4.3 m (14ft)	10.7 m - 21.3 m (35ft - 70ft)

XP/RM	
A	B
DIAM.	MIN-MAX
4.3 m (14ft)	10.7 m - 17.1 m (35ft - 56ft)
3.7 m (12ft)	9.1 m - 14.6 m (30ft - 48ft)
3.0 m (10ft)	7.6 m - 12.2 m (25ft - 40ft)
2.4 m (8ft)	6.1 m - 9.8 m (20ft - 32ft)
2.1 m (7ft)	5.5 m - 8.5 m (18ft - 28ft)





BEFORE YOU BEGIN

TOOLS NEEDED

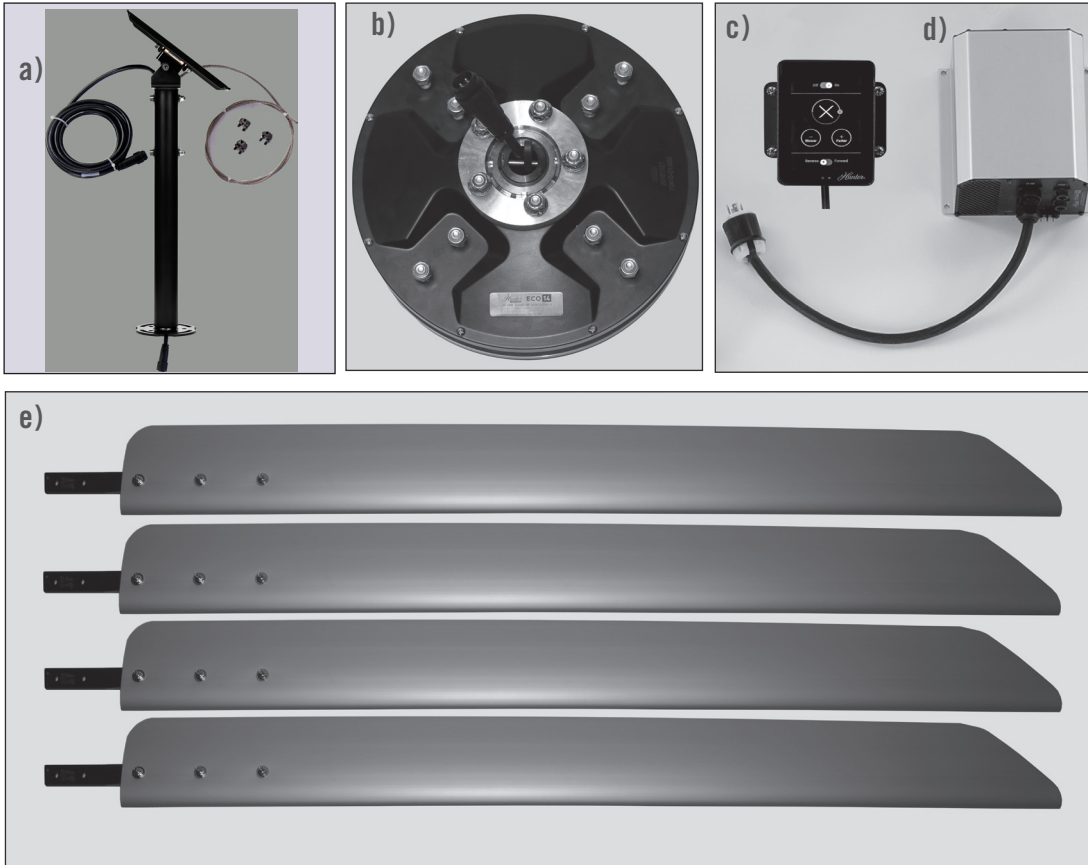
☐	Metric Combination Wrench Set (10mm - 19mm)
☐	Metric (Deep & Short) Socket and Ratchet Set
☐	Standard (Deep & Short) Socket and Ratchet Set
☐	Metric Allen Wrench Set
☐	Metric Allen Socket Set
☐	Tape Measure
☐	Magnetic Level (Magnetic post level recommended)
☐	Torque Wrench
☐	Wire Rope Cutters (optional)
☐	Phillips and Flat Head Screwdrivers
☐	#10 to #14 AWG Strippers (optional)
☐	Multimeter (optional)
☐	Cat5 Termination Tools (optional)
☐	Cat5 Tester (recommended)
☐	15mm Socket
☐	6mm Hex Key (Allen) Wrench



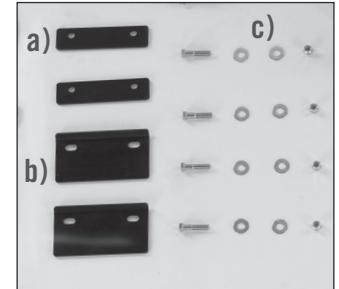
BEFORE YOU BEGIN

IN THE BOX

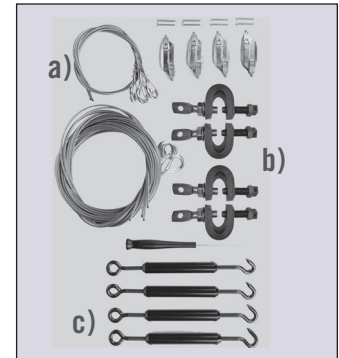
FAN COMPONENTS



MOUNTING HARDWARE KIT



GUY WIRE KIT



COMMUNICATION KIT



FAN COMPONENTS

- a) (1) Downrod
- b) (1) Motor & Motor Nuts¹
- c) (1) HMI Controller(s) (Sold Separately)²
- d) (1) VFD Control Panel
- e) Blades: Titan (5), ECO (4), RM (4)³

MOUNTING HARDWARE KIT (EXCLUDING XP/RM)

- a) (2) Shims
- b) (2) Clamps
- c) (4) Bolts, Nuts, and Washers

GUY WIRE KIT (EXCLUDING XP/RM)

- a) (2) Gripple Kit
- b) (4) Beam Clamps
- c) (4) Turnbuckles

COMMUNICATION KIT

- a) 30m (100ft) Cat5 Cable (Terminated)

INSTALLATION MANUAL

- a) HVLS Installation Manual
- b) HMI installation and user guide

1 ECO motor shown. Motor will vary dependent on HVLS fan being installed.

2 350 Series HMI shown. HMI will vary dependent on HMI being installed

3 ECO blades shown. Blade quantity will vary dependent on HVLS fan being installed.

	TITAN	ECO	XP/RM
DOWNROD	1 Adjustable Downrod	1 Adjustable Downrod	1 Fixed Downrod
MOTOR	1 (Silver)	1 (Black)	1 (Black)
HMI CONTROLLER	>1	>1	>1
VFD CONTROL PANEL	1	1	1
BLADES	5	4	4
MOUNTING HARDWARE KIT	1	1	n/a
GUY WIRE KIT	1	1	n/a
COMMUNICATION KIT	1	1	1
INSTALLATION MANUAL	1	1	1



BEFORE YOU BEGIN

PRE-INSTALLATION CHECKLIST

☐	A structural engineer has approved the mounting structure.
☐	The location of the fan will allow for a minimum of 61cm(2ft) of blade clearance from any obstruction and at least 3m (10ft) of clearance above the floor.
☐	The fan location will not be subjected to high winds.
☐	If installing multiple fans, reference the fan placement chart on page 7 for optimal spacing.
☐	The control panel, motor and blade assemblies are all marked with the diameter. Ensure the markings all match when assembling the fan.
☐	The control panel voltage markings should match your buildings supply power.
☐	The fan power should be installed within 90cm (3 ft) of the top of the downrod. Please refer to the chart on page 25-27 for the appropriate receptacle.
☐	Inspect product to ensure there are no visible damages or defects to fan(s) components (Refer to page 9 for fan components list).
☐	Ensure fan components have not been disassembled or modified beyond the scope which Hunter offers in their product line.



BEFORE YOU BEGIN

ADJUSTABLE DOWNROD

THERE ARE THREE DIFFERENT ADJUSTABLE DOWNROD LENGTH CONFIGURATIONS:

0.77 - 1.22m (2.5 - 4 FT) | 1.38 - 1.83m (4.5 - 6 FT) | 1.99 - 3.05m (6.5 - 10 FT)

DOWNROD WILL SHIP PRE-WIRED AND FULLY ASSEMBLED IN THE SHORTEST CONFIGURATION.



Downrod length adjustments may be made in increments of 15cm (6in).



BEFORE YOU BEGIN

ADJUSTABLE DOWNROD

Adjusting Downrod Length

There are three different adjustable downrod length configurations: 0.77 - 1.22m (2.5 - 4 FT) | 1.38 - 1.83m (4.5 - 6 FT) | 1.99 - 3.05m (6.5 - 10 FT). Each configuration will be shipped from the factory in the shortest configuration but will have all necessary components for the longest configuration. If a longer length of downrod is necessary for the install, adjust the downrod at ground level before installing to the building structure.

How to Adjust the Downrod Length:

A

Remove the two adjustment bolts and hardware.

B

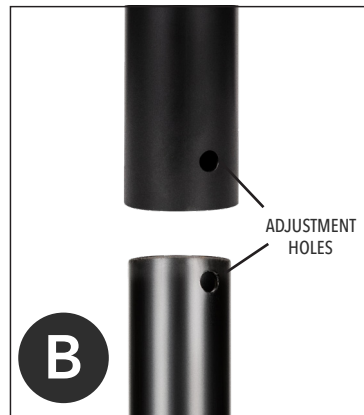
Slide the upper and lower tubes apart until the matching pair of adjustment holes line up to achieve desired length.

C

Replace the two adjustment bolts and hardware.

D

Torque the adjustment bolts, clockwise, to 73 N-m (53,8 ft-lb), until bolts are tightly secured.



NOTE

Ensure that bolt is tightly secured to the downrod and that the washer did not get hung up on the end of the adjustment bolt, causing the bolt to be loose.

NOTE

Do not install downrod with only one bolt or extend downrod beyond where both bolt holes of the inner and outer tubes line up. **Do not** extend past warning sticker.

Do not adjust downrod length while downrod is mounted or when the fan is attached to the downrod. Length adjustment should happen at the ground level.

Beware pinching the motor cable or safety cable while replacing adjustment bolts.

Mounting Adjustable Downrod: Follow mounting instructions starting on page 13.



INSTALLATION

STEP 1: MOUNTING

⚠ WARNING



CRUSH HAZARD. To prevent **SERIOUS INJURY** or **DEATH**, **ALWAYS** mount fan directly from building structure that can withstand double the installed fan weight.

ADJUSTABLE DOWNROD MOUNT OVERVIEW

A

Secure bracket and downrod to lift and raise to an I-Beam that is part of the building structure.

B

Assemble shims and clamps on one side of the bracket per the figure below.

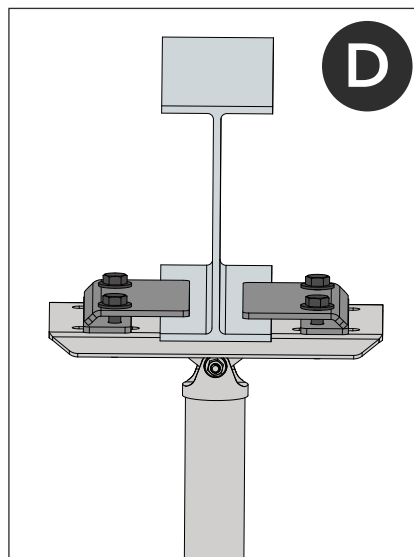
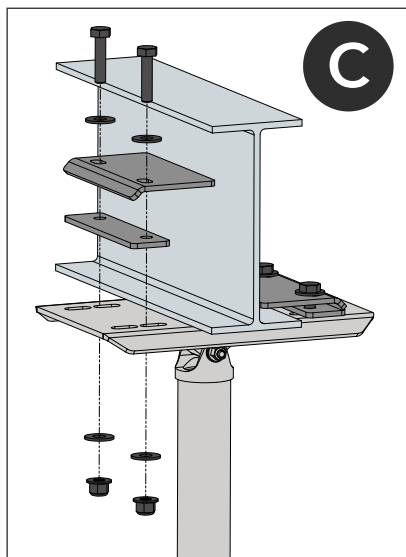
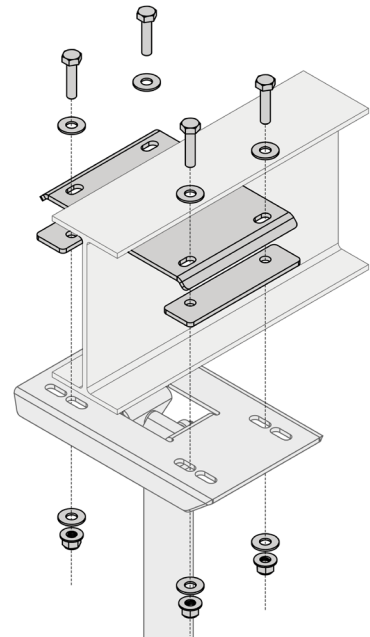
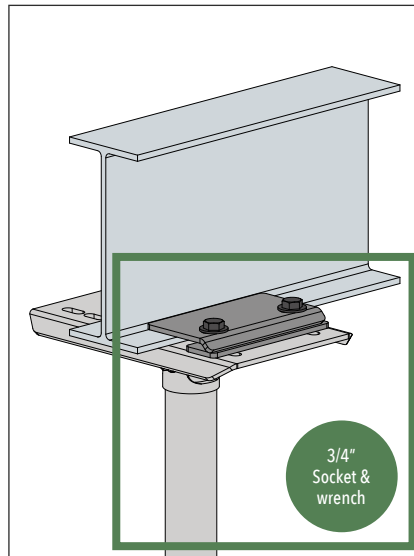
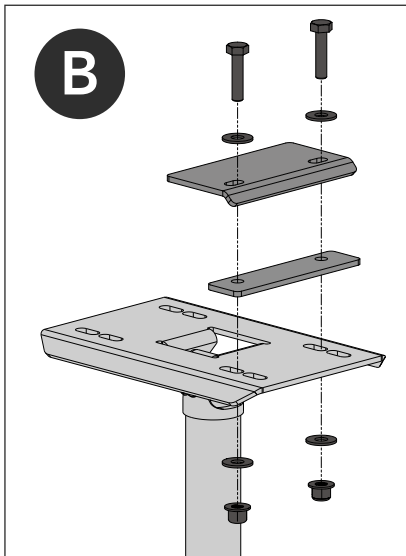
Hook the clamp on one side of the I-beam and tighten hardware until the clamp and shim are snug but can still be moved.

C

Assemble the opposing shim and clamp onto the I-beam and tighten using a 3/4" socket and wrench.

D

Center the mount under the I-beam. Check that clamps have maximum engagement on both sides and tighten hardware.



WARNING: SUPPORT DIRECTLY FROM BUILDING STRUCTURE



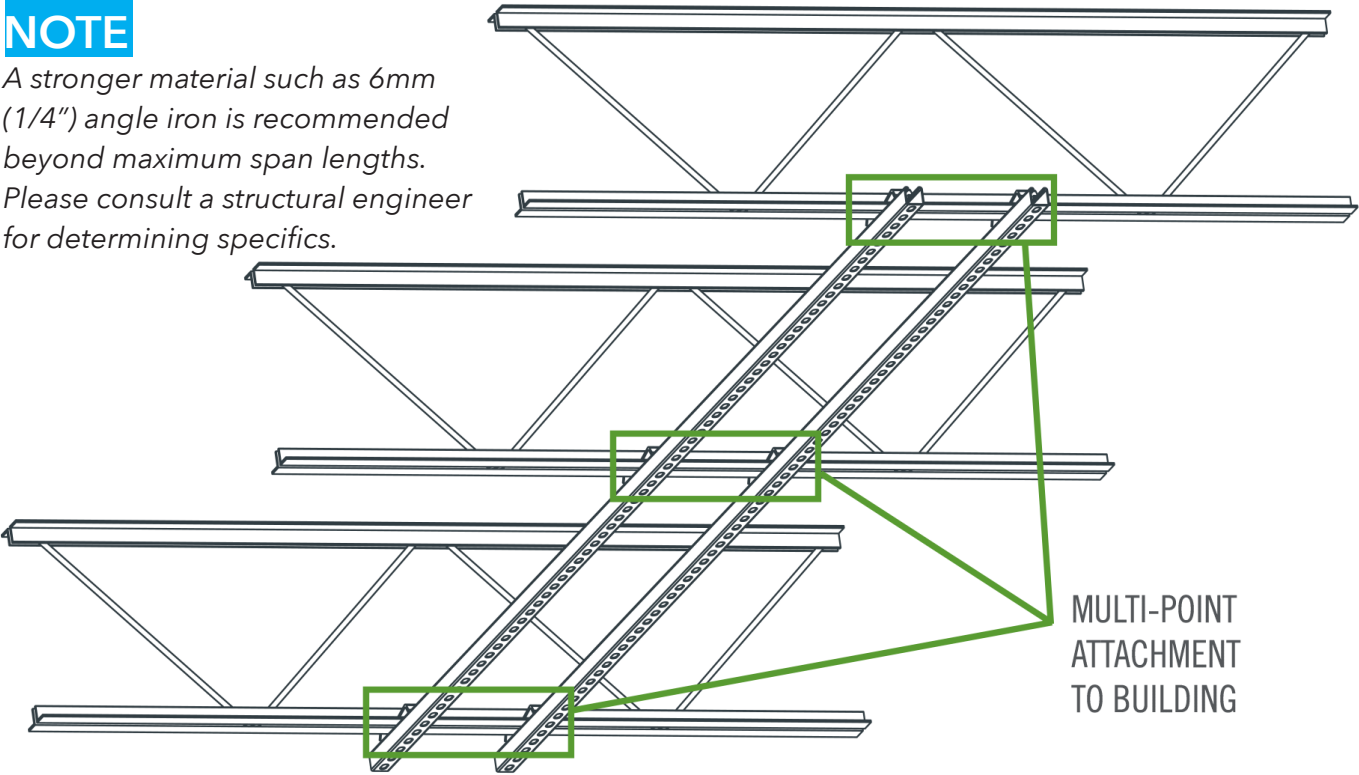
INSTALLATION

MOUNTING CONFIGURATION

CHANNEL HEIGHT	MATERIAL THICKNESS	MAXIMUM SPAN LENGTH
4.1cm (1 5/8")	12 GA	213cm (84")
4.1cm (1 5/8")	14 GA	183cm (72")
4.1cm (1 5/8")	16 GA	152cm (60")
3.5cm (1 3/8")	12 GA	152cm (60")
2.2cm (7/8")	12 GA	76cm (30")
8.3cm (3 1/4")	12 GA	610cm (240")
6.2cm (2 7/16")	12 GA	396cm (156")

NOTE

A stronger material such as 6mm (1/4") angle iron is recommended beyond maximum span lengths. Please consult a structural engineer for determining specifics.



Fan	Standard Mounting Kit	Additional Mounting Options
Titan	I-Beam Standard Mounting Kit	K-Bar, Unistrut, Purlin, Glulam, Wood
Eco	I-Beam Standard Mounting Kit	K-Bar, Unistrut, Purlin, Glulam, Wood
RM	Unistrut Standard Mounting Kit	N/A

REMINDER

The retention cable should always be secured around the building structure or a beam, not around something bolted on, such as a strut channel.



INSTALLATION

STEP 1: MOUNTING

UNISTRUT MOUNTING

A

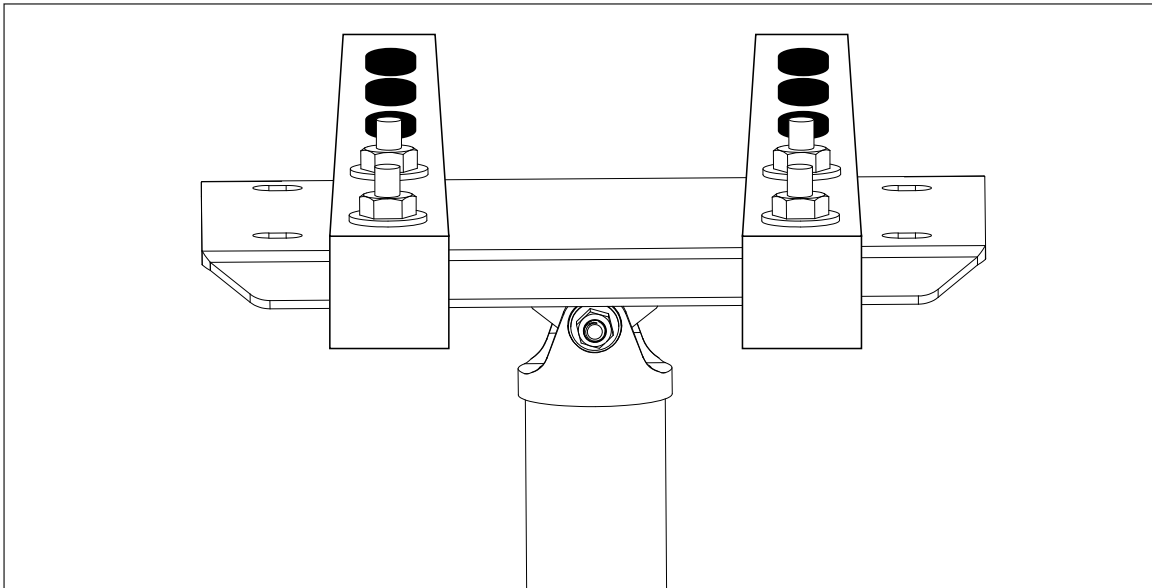
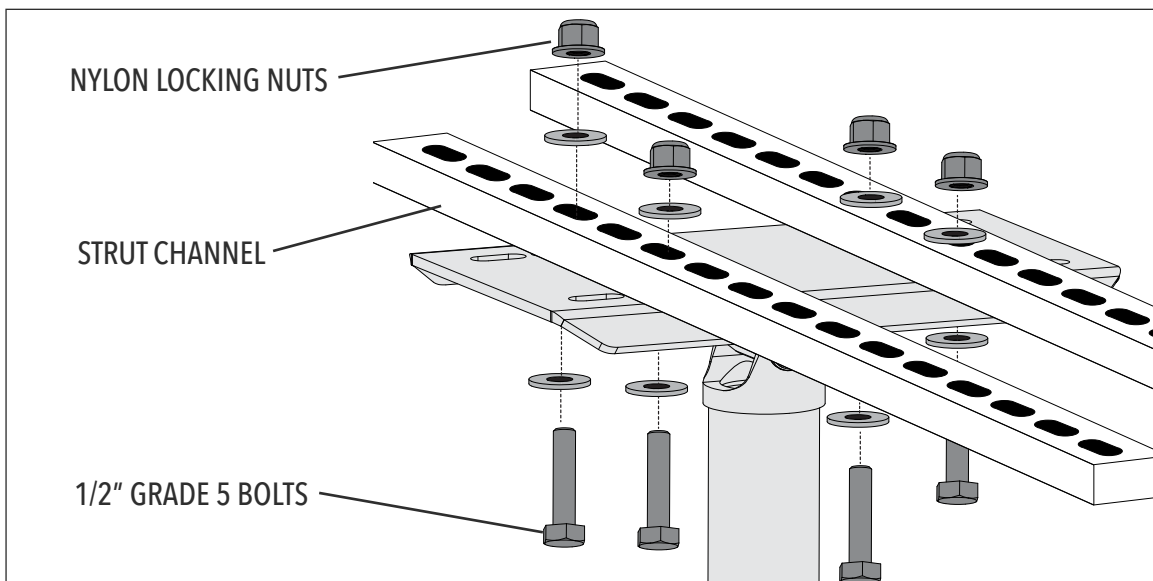
Select proper strut channel from the chart.

B

Use strut channel or similar to span three points of the building structure and create a stable attachment point for the fan.

C

Bolt fan mounting plate to attachment point using 1/2" grade 5 bolts and nylon locking nuts.



WARNING: SUPPORT DIRECTLY FROM BUILDING STRUCTURE



INSTALLATION

STEP 1: MOUNTING

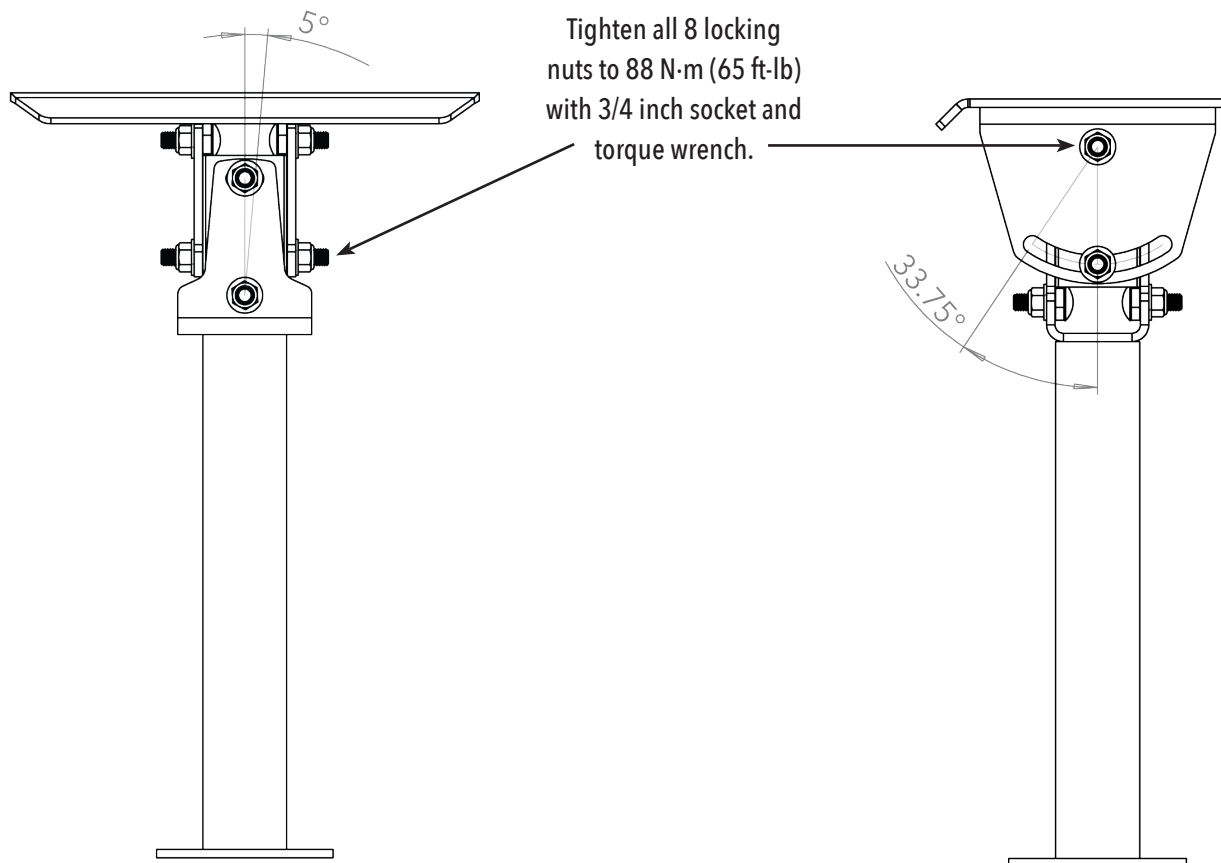
⚠ WARNING



CRUSH HAZARD. To prevent **SERIOUS INJURY** or **DEATH**, **ALWAYS** mount fan directly from building structure that can withstand double the installed fan weight.

- **CAUTION:** Do not install the fan from a single structure such as a purlin, truss, I-beam or bar joist.
- For any questions or concerns regarding the building structure, consult a structural engineer.
- Ensure the attachment point can support two times the weight of the fan and maximum torque of 102 N·m (75 ft-lb). A structural engineer should verify the structure prior to fan installation.

RIGID MOUNT OVERVIEW



5 degrees of adjustment to accommodate an unlevel beam.

33.75 degrees of adjustment to accommodate 8/12 (34°) roof pitch.

NOTE

Rigid Mount does not include beam clamps.



INSTALLATION

STEP 2: RETENTION SYSTEM

! WARNING



CRUSH HAZARD. To prevent **SERIOUS INJURY** or **DEATH**, **ALWAYS** mount fan directly from building structure that can withstand double the installed fan weight.

A

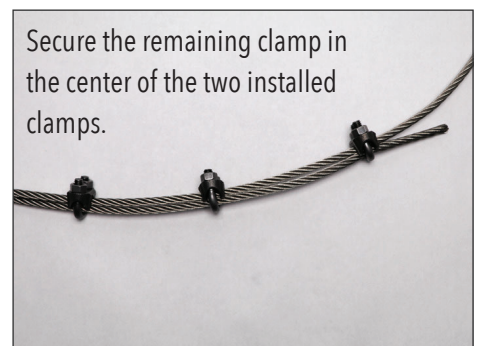
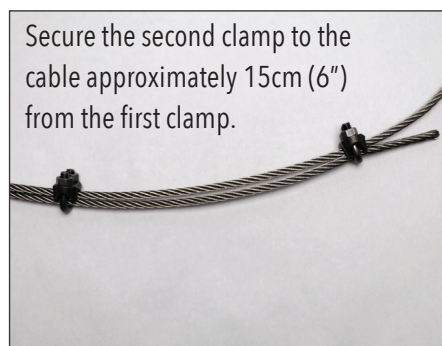
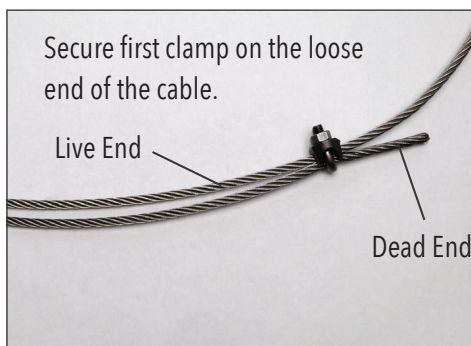
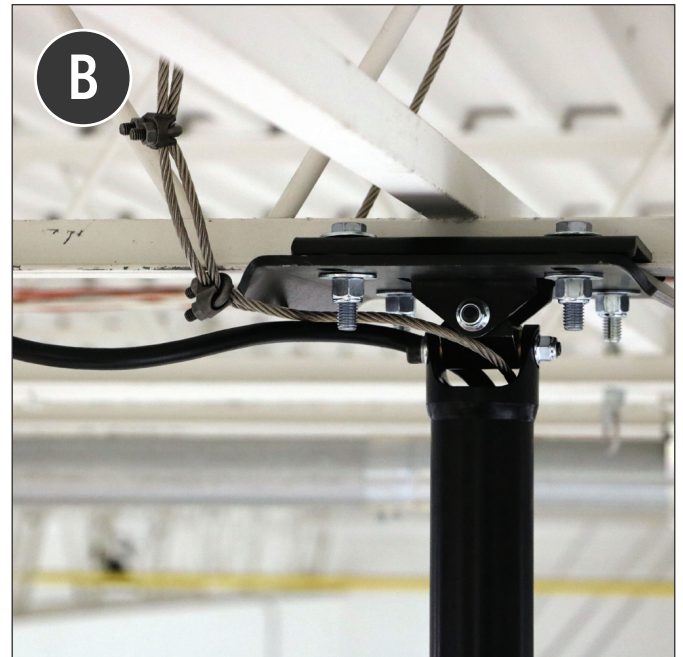
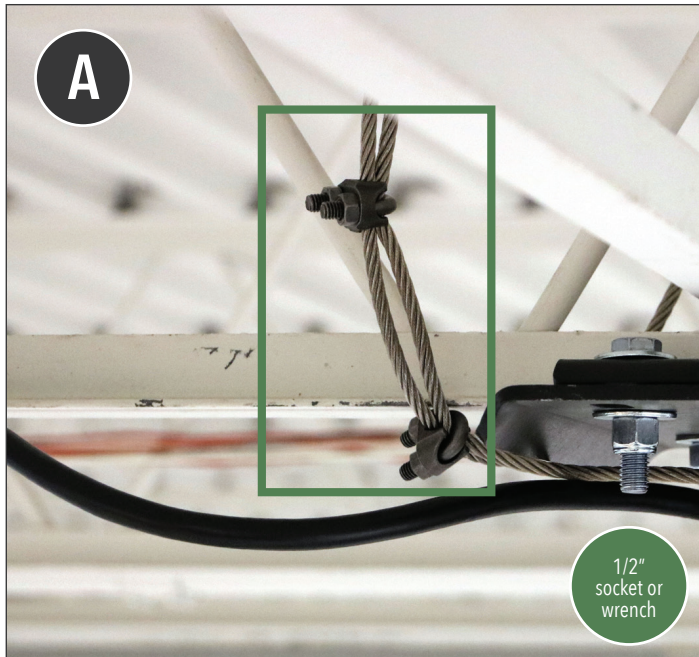
Wrap retention cable around building structure that can withstand double the installed fan weight.

B

Secure remaining cable to itself with cable clamps.

NOTE

Leave approximately 7.5 (3in) of slack in the wire and the cable at the top of the downrod opening.



NOTE

Orient the u-bolt on the "dead" end of the Retention Cable and the clamp on the "live" portion of the retention cable. If done incorrectly, the U-bolt could crush the wire when tightened and can reduce the strength of the wire.



INSTALLATION

STEP 3: MOTOR ASSEMBLY

⚠️ WARNING



CRUSH HAZARD. To prevent serious injury or death, **ALWAYS** attach the retention cable to the fan motor and secure to the building structure on **EVERY** fan.

A

Insert retention link into fork and align holes.

Insert clevis pin into retention rod and secure with provided clip.

B

Align the connector from the motor with the downrod connector.

Twist the collar on the connector to complete the connection. Do not force. Connectors should slide together as they twist.

Be sure to twist until the connection locks.

Zip tie the motor cable to the safety cable to reduce the opportunity to pinch the cable

C

Lift motor up to downrod while pushing cables into downrod.

Feed the press studs through downrod flange.

Secure with nylon lock nuts. Tighten the M12-1.75 nylon lock nuts to 81 N·m (60 ft·lb). (Pull excess wire and cable through top of downrod.)

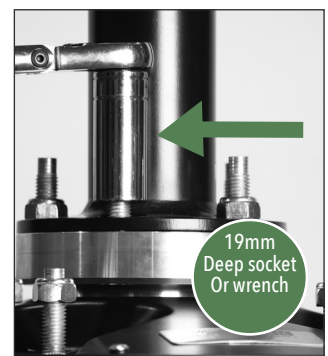
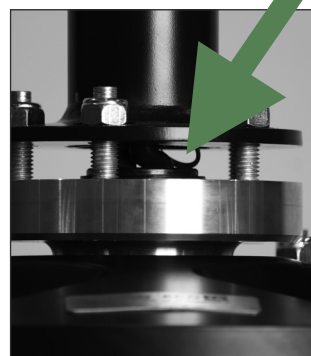
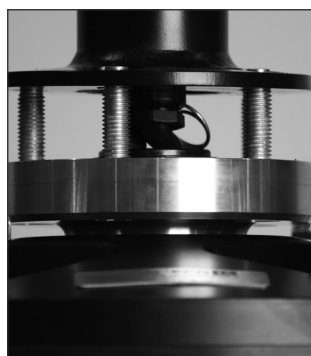
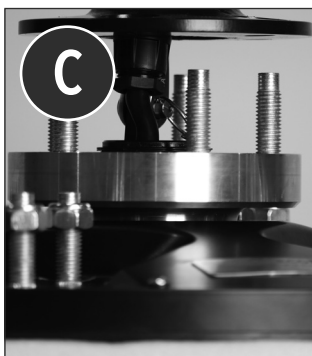
NOTE

Leave approximately 7.5cm (3in) of slack in the wire and the cable at the top of the downrod opening.



NOTE

Be sure not to pinch the motor cable when raising the downrod into place. A zip tie is recommended to secure the motor cable to the safety cable to ensure that pinching does not occur.





INSTALLATION

STEP 4: VARIABLE FREQUENCY DRIVE (VFD) CONTROL PANEL

POWERED VFD (LEAD FAN POE VFD. MUST CONNECT TO HMI CONTROLLER)



NOTE

White around COMM1 designation for POE VFD.

NON-POWERED VFD (CANNOT BE LEAD FAN VFD. MUST NOT CONNECT TO HMI CONTROLLER)



NOTE

Black around COMM1 designation for Non-POE VFD.



INSTALLATION

STEP 4: VARIABLE FREQUENCY DRIVE (VFD) CONTROL PANEL

A

The VFD control panel should be mounted directly above the fan and downrod.

B

Position the VFD control panel with plug connectors preferably facing down.

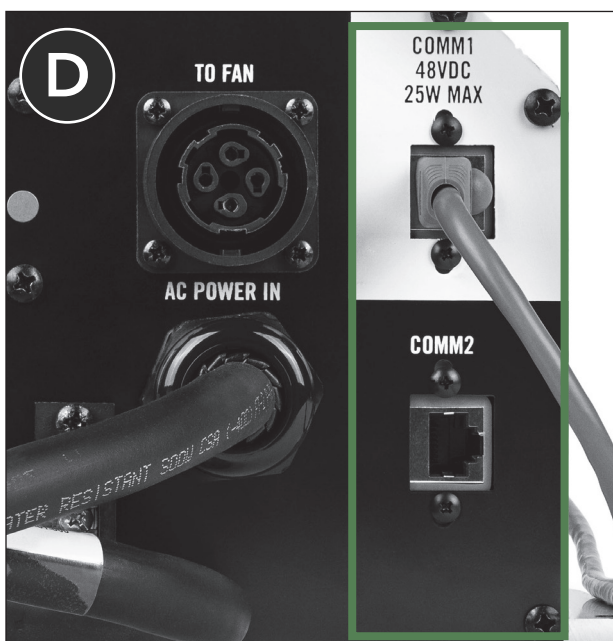
If using uni-strut attached to the building structure, secure industrial control panel with four 1/4"-20 fasteners, one in each corner of the panel.

C

Connect the VFD cable from fan to the industrial control panel. Orient the cable to the connection so it engages slightly. Twist to lock in place. Secure excess cable to mounting location.

D

Connect the communication cable (Cat 5) to one of the COMM terminals and run cable down to the control location.



NOTE

Twist Lock will act as a disconnect.

NOTE

USE COMM 2 FOR MULTIFAN INSTALL

CAUTION: DO NOT ENERGIZE CIRCUIT UNTIL MECHANICAL INSTALLATION IS COMPLETE

NOTE

Align male connector with female receptacle. Do not force connector into receptacle.



INSTALLATION

STEP 5: GUY WIRES TITAN & ECO ONLY

⚠ WARNING



- Attach guy wire to building structure while maintaining a 45° angle between the ceiling and the guy wire.
- Do not wrap guy wires around the building structure. The guy wires could fray if they contact the building structure.

A

Attach beam clamps to structure. Clip 4.5m (15ft) guy wire end to beam clamp.

B

Make sure that guy wires are evenly spaced 90 degrees apart. Do not place guy wires on the same plane as the downrod, or another guy wire.

C

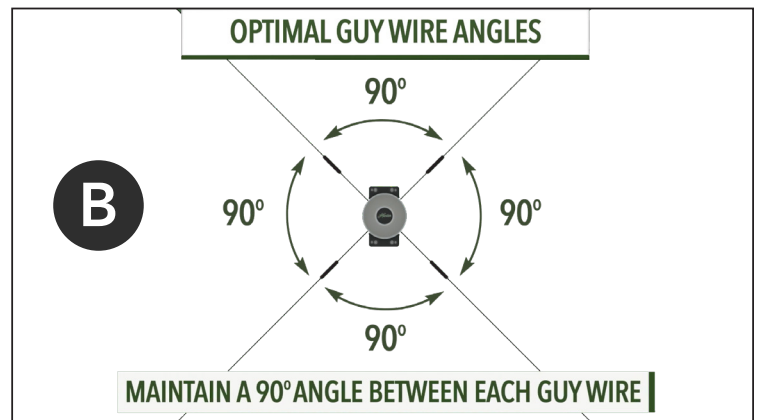
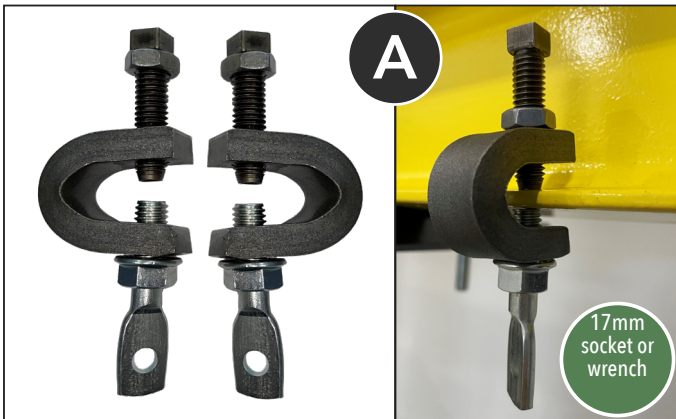
Feed one end of the 4.5m (15ft) guy wire through the Gripper.

D

Clip end of the 60cm (2ft) guy wire to the eye bolt of the turnbuckle.

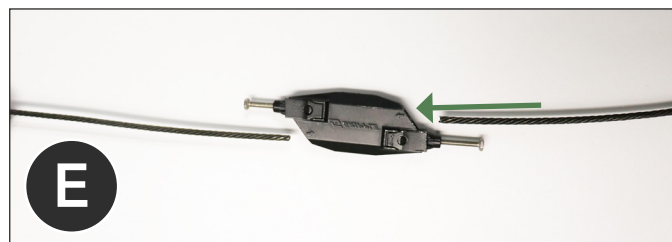
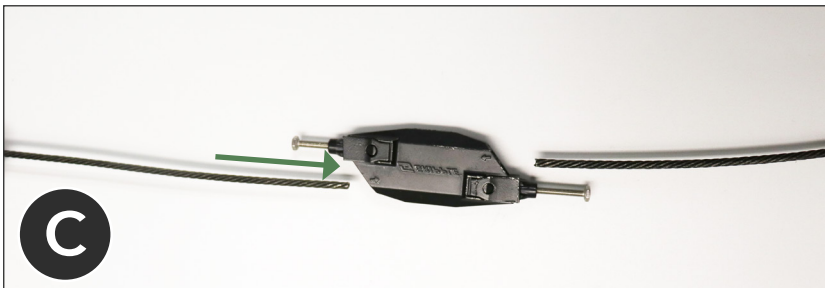
E

Feed the opposite end of the 60cm (2ft) guy wire through the same Gripper as the 4.5m (15ft) guy wire from step B.



NOTE

Make sure the guy wires do not interfere with cables or other obstructions.





INSTALLATION

STEP 5: GUY WIRES TITAN & ECO ONLY

⚠ WARNING



- Attach guy wire to building structure while maintaining a 45° angle between the ceiling and the guy wire.
- Do not wrap guy wires around the building structure. The guy wires could fray if they contact the building structure.

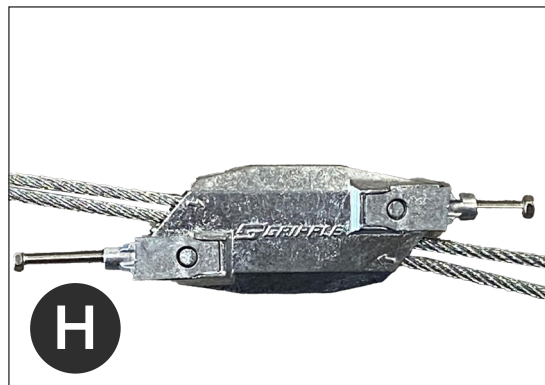
F

Feed guy wires through disc to hold in place during turnbuckle installation. Pull excess cable until guy wire is taut. Place level against the downrod and tighten the turnbuckles by hand in a crisscross pattern, periodically checking to ensure the downrod is plumb and the fan is level.

G & H

Tighten bolts on Gripples, and then tighten the set screws on the turnbuckles.

F





INSTALLATION

STEP 6: ECO & RM BLADE INSTALL

A

To install blade, insert the press studs through the holes in the blade holder.

Remember to install with the numbers facing up.

B

Start the nylon lock nuts onto the press studs to hold in place.

C

Tighten the nylon lock nuts on the press studs using the 19mm wrench or socket to 1 N·m (60 ft-lb).

D

Repeat steps A-C for each of the remaining blades.



19mm
Deep socket
or wrench



NOTE

The blade is marked with a number to signify which size fan with which it goes. Make sure you match the correct blade size with the correct motor size.



INSTALLATION

STEP 6: TITAN BLADE INSTALL

A

Line up the pin on the blade holder with the opening on the hub and insert until pin clicks into place.

B

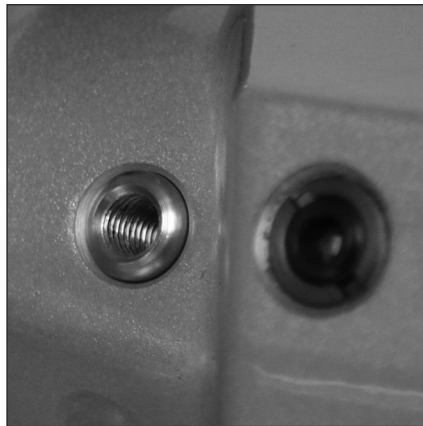
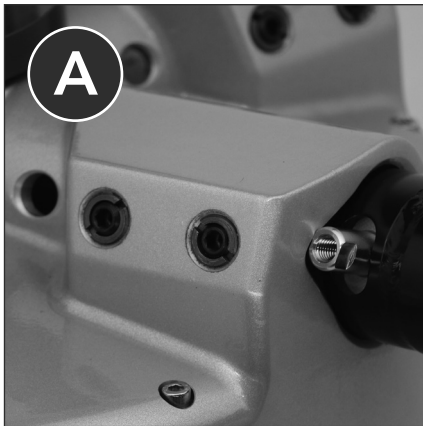
Install the supplied patch bolt and tighten until it fully seats against the retention pin.

C

Use a torque wrench to tighten the two set screws to 27 N·m (20 ft-lb / 240 in-lb) Alternate between the two set screws 2-3 times to ensure proper torque.

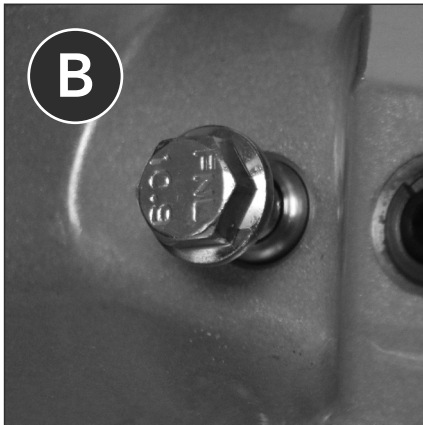
D

Repeat steps A-C for each of the four remaining blades.



NOTE

The blade end is marked with a number to signify which size fan it goes with. Make sure you match the correct blade size with the correct motor size.



One 5mm Allen head socket will be included in every Titan order.



Electrical Plug Requirements

Voltage	Phase	Plug (included)	Receptacle
200-240V	Single	HBL2321	L6-20R
200-240V	Three	HBL2421	L15-20R
380-480V	Three	HBL2431	L16-20R

HBL2321



HBL2421



HBL2431

**⚠ WARNING**

Do not use extension cord with fan.
Do not remove covers while power is on.
Do not use improper voltage source.

TITAN AMP DRAW

FAN DIAMETER	220V/1P		220V/3P		480V/3P	
7.3 m (24ft)	6.5A		3.5A		3.0A	
6.1 m (20ft)	6.5A		3.5A		3.0A	
5.5 m (18ft)	7.6A		3.5A		3.0A	
4.9 m (16ft)	6.5A		3.5A		3.0A	
4.3 m (14ft)	6.5A		3.5A		3.0A	

NOTE

All wiring must be in accordance with national and local electrical codes, including ANSI/NFPA 70. If you are unfamiliar with wiring or are in doubt, consult a qualified electrician.



Electrical Plug Requirements

Voltage	Phase	Plug (included)	Receptacle
200-240V	Single	HBL2321	L6-20R
200-240V	Three	HBL2421	L15-20R
380-480V	Three	HBL2431	L16-20R

HBL2321



HBL2421



HBL2431



WARNING

Do not use extension cord with fan.
Do not remove covers while power is on.
Do not use improper voltage source.

ECO AMP DRAW

FAN DIAMETER	220V/1P	220V/3P	480V/3P
7.3 m (24ft)	6.5A	3.5A	3.0A
6.1 m (20ft)	6.5A	3.5A	3.0A
5.5 m (18ft)	6.5A	3.5A	3.0A
4.9 m (16ft)	6.5A	3.5A	3.0A
4.3 m (14ft)	6.5A	3.5A	3.0A
3.7 m (12ft)	6.5A	3.5A	3.0A
3.0 m (10ft)	6.5A	3.5A	3.0A
2.4 m (8ft)	6.5A	3.5A	2.0A

NOTE

All wiring must be in accordance with national and local electrical codes, including ANSI/NFPA 70. If you are unfamiliar with wiring or are in doubt, consult a qualified electrician.



Electrical Plug Requirements

Voltage	Plug	Receptacle*
110-120V	L5-15P	L5-15R



*Not included but required for installation.

WARNING

Do not use extension cord with fan.
Do not remove covers while power is on.
Do not use improper voltage source.

RM AMP DRAW

FAN DIAMETER	110V/1P
4.3 m (14ft)	8.3A
3.7 m (12ft)	8.3A
3.0 m (10ft)	8.3A
2.4 m (8ft)	8.3A
2.1 m (7ft)	8.3A

NOTE

All wiring must be in accordance with national and local electrical codes, including ANSI/NFPA 70. If you are unfamiliar with wiring or are in doubt, consult a qualified electrician.



All communication connections must be made with shielded CAT5e/6 cabling.

A

In all configurations and installs of Hunter HVLS fans the **Lead fan's VFD must be the labeled "Power" drive. This VFD must be connected to the HMI from the COMM 1 port directly when using the 350 or 500 Series HMI.** If using **700E HMI COMM 1 must connect to the Network Switch**, and then the Network Switch to the HMI.

NOTE

Lead drive is a POE IP .61 with white COMM port 1. Non-POE VFD's will not power on HMI or Network Switch.

B

Using the COMM 2 port on the Lead Fan's VFD connect remaining fans in the network per the applicable diagram below.

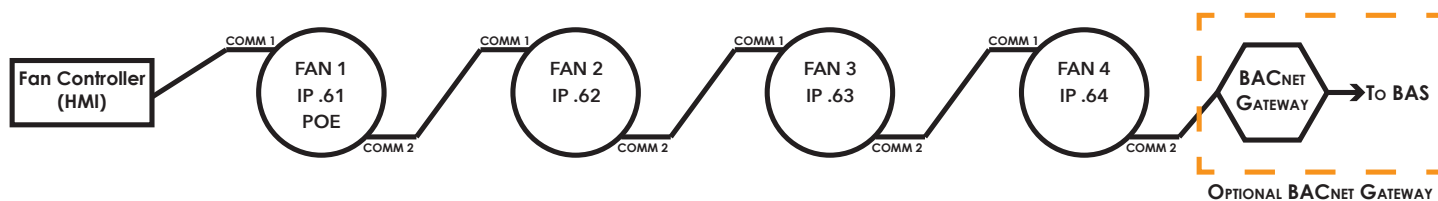
C

Follow the HMI User Manual for HMI installation and configuration set up.

NOTE

BACnet Gateway requires 120V power source.

NETWORK DIAGRAM
DAISY CHAIN CONFIGURATION 350 & 500 CONTROLLERS



NOTE

Lead drive is IP .61 POE.

NOTE

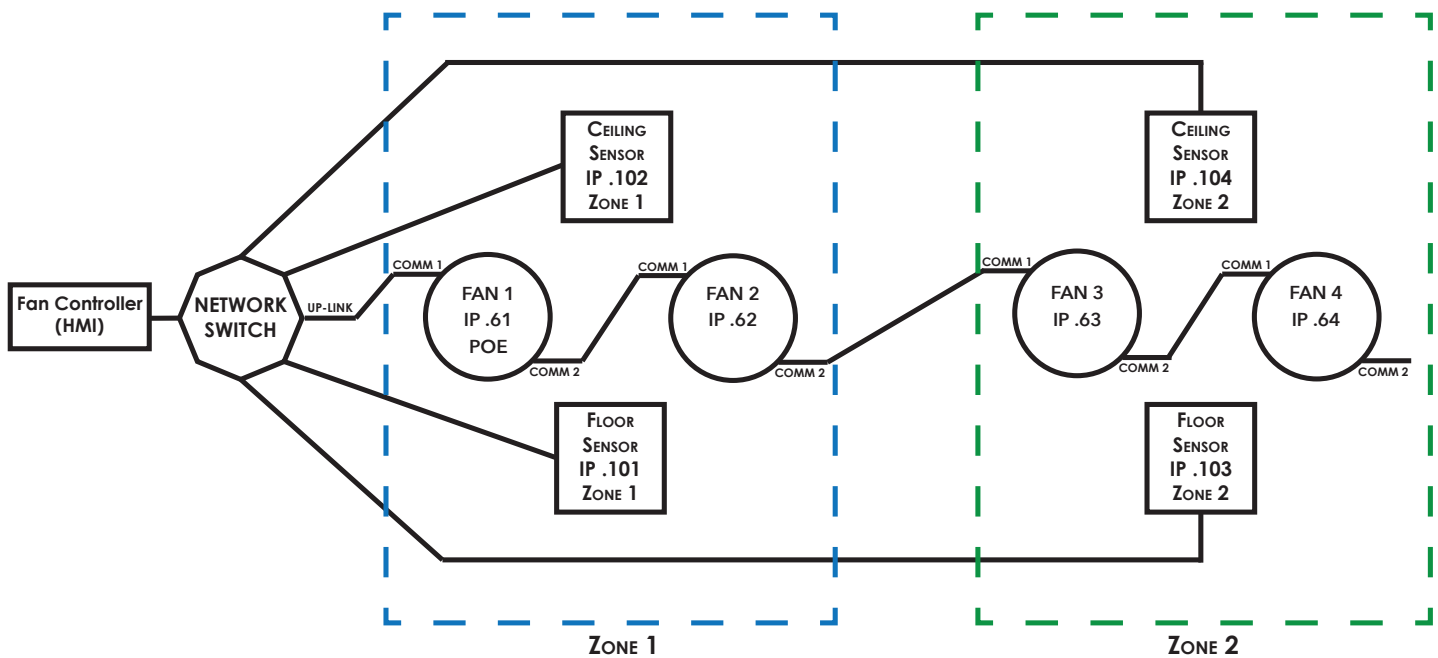
When connecting multiple fans to one HMI Controller (Daisy Chaining) use the COMM Port 2 on the lead VFD to connect the next VFD using the CAT5 cable into COMM Port 1. Repeat for each sequential fan.



NOTE

Connect POE Port to the Up-Link on POE Switch.

NETWORK DIAGRAM
WITH 700E ENVIRONMENTAL CONTROL
ZONE 1 & ZONE 2 ARE LESS THAN 100 METERS APART

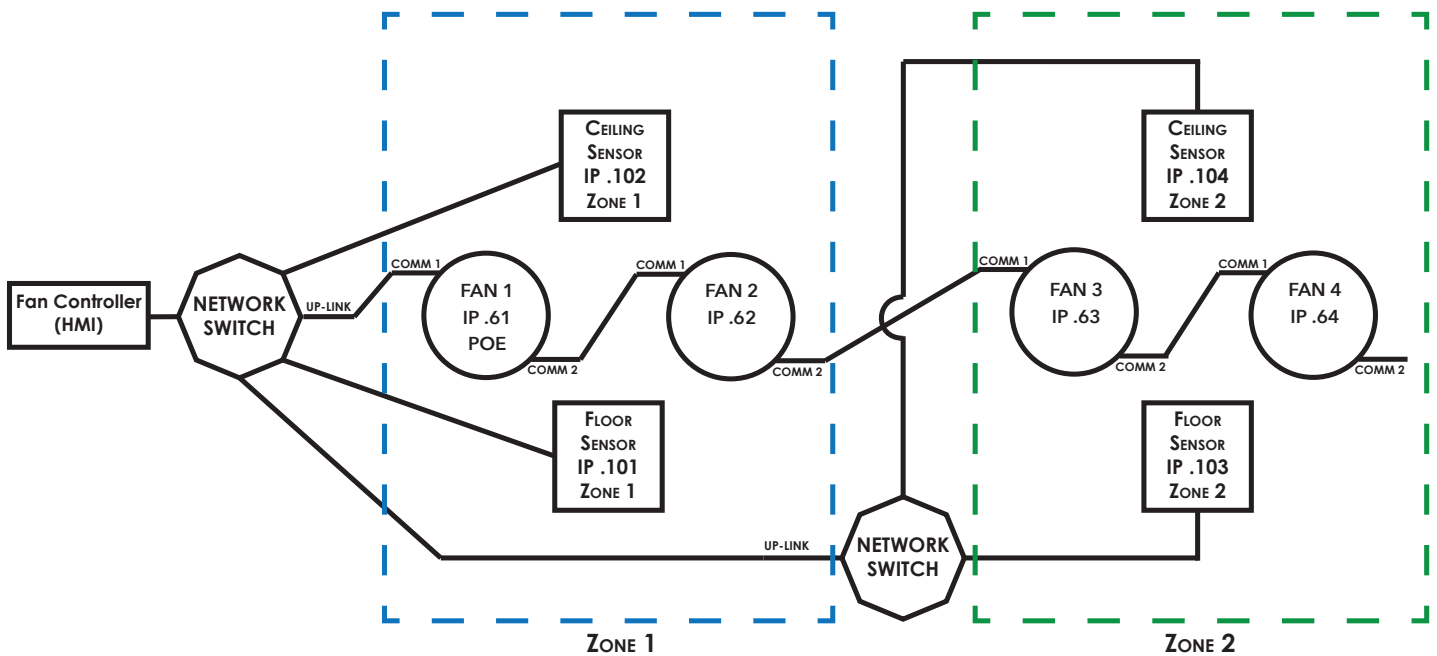


NOTE

Lead drive is IP .61 POE.



NETWORK DIAGRAM
WITH 700E ENVIRONMENTAL CONTROL
ZONE 1 & ZONE 2 ARE MORE THAN 100 METERS APART



NOTE

Lead drive is IP .61 POE.

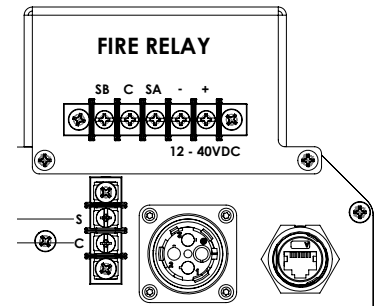


REFERENCE

FIRE PANEL (FIELD WIRING)

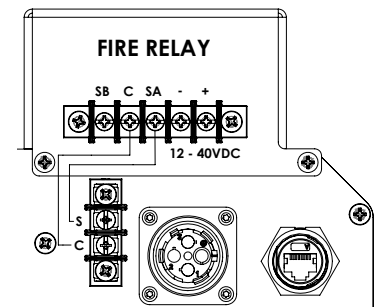
DRY CONTACTS: NORMALLY CLOSED

- On the Terminal Strip mounted to the outside of the VFD enclosure a Jumper will be in place on terminals "S" and "C". Remove the Jumper from terminals "S" and "C".
- Connect the wires coming from the Fire Panel to terminals "S" and "C".



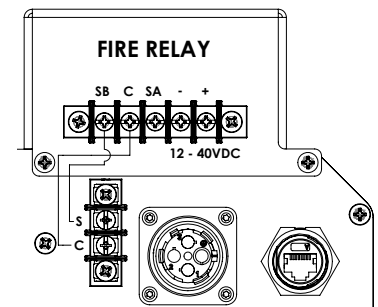
NORMALLY ENERGIZED

- On the Terminal Strip mounted to the outside of the VFD enclosure a Jumper will be in place on terminals "S" and "C". Remove the Jumper from terminals "S" and "C".
- Connect a wire from terminal "S" to "SA" on the Fire Relay Terminal Strip.
- Connect a wire from terminal "C" to "C" on the Fire Relay Terminal Strip.
- Apply 12-40VDC from Fire Panel to Fire Relay Input. Relay has a 20mA draw.



NORMALLY UNENERGIZED

- On the Terminal Strip mounted to the outside of the VFD enclosure a Jumper will be in place on terminals "S" and "C". Remove the Jumper from terminals "S" and "C".
- Connect a wire from terminal "S" to "SB" on the Fire Relay Terminal Strip.
- Connect a wire from terminal "C" to "C" on the Fire Relay Terminal Strip.
- Apply 12-40VDC from Fire Panel to Fire Relay Input. Relay has a 20mA draw.



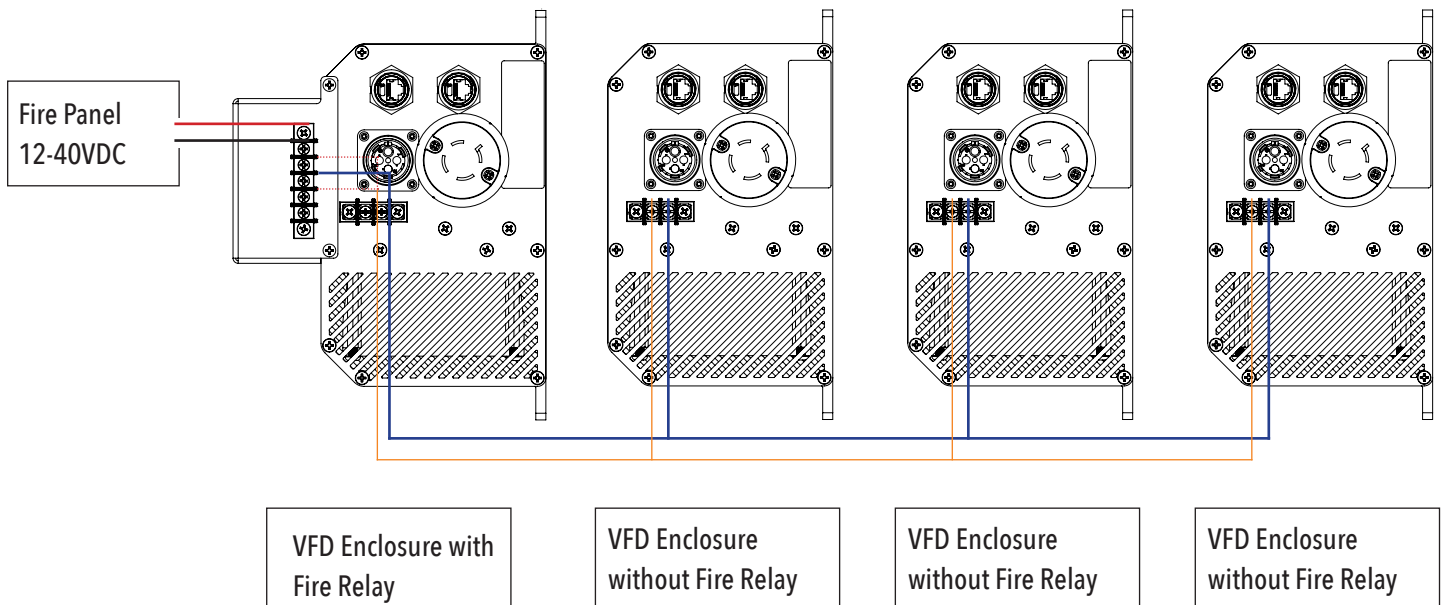


REFERENCE

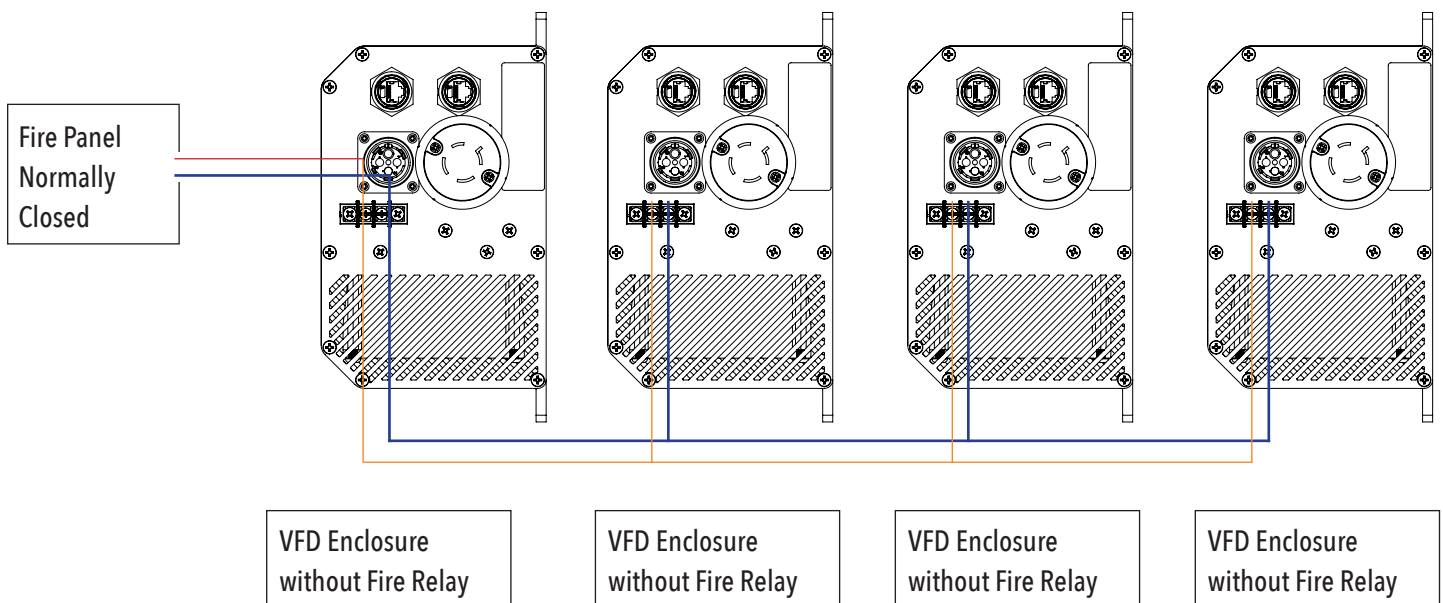
FIRE PANEL (FIELD WIRING)

Fire Relay arrangement for multiple fans (30 Fan Maximum)

NORMALLY ENERGIZED/UNENERGIZED



DRY CONTACTS: NORMALLY CLOSED





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FILTER INSTALLATION GUIDE

Thank you for purchasing a Schaffner Ultra Compact EMC/Radio Frequency Interference (RFI) filter.

Please follow guidance for the safe operation of this device:

- Device is intended for RFI filtering via connection to the mains power line network.
- Device must be installed in accordance with local regulations and by a qualified engineer.
- Protection and performance may be impaired if used in any unspecified manner.
- Refer to the device Specifications for additional and specific product information.
- Do not exceed any product ratings or use outside the stated environmental conditions.
- Device is suitable for mains power frequencies 50-60Hz. DC is also acceptable.
- Device is suitable for 40°C unless specified, installation category II (cat III cabinet).
- Device is rated for RMS Voltage and Continuous RMS current, overload 150% 60s.
- Use EN 61010-031 probes (4mm exposed or less) when testing live voltages.
- Use appropriate RCD protection with sensitivity suitable for the application (Type B).
- Use fast acting, current-limiting fuses with maximum interrupting capacity (Type J,R,T).
- Use enclosures with restricted access and any terminals covers provided or available.
- Observe the Line, Load and Earth designations and correct phase orientation.
- Terminals marked Protective Earth (PE) must connect to the Protective Earthing System.
- Device chassis should be directly bonded to ground to ensure safety and performance.
- Device clearance; 50mm on vented sides. Non-vented sides can be placed directly against non-heat generating parts. Orientation must be horizontal or vertical book.
- Unless otherwise stated, use the minimum typical recommended torque settings.
- Observe Safety Warnings! Hazardous Voltages, Currents and Stored Charges may exist during and after supply isolation!
- The recommended torque for the FN3258H-7-44 is 1.0-1.2 Nm.



Type RF EMI/RFI Filters - Additional Technical Information

In addition to the Product Selection brochure, this Application Note contains useful information on how to properly connect an EMI/RFI filter, understand the current ratings, and parallel connections for higher ratings when necessary.

Type RF EMI/RFI filters are built with Touch Safe Construction.

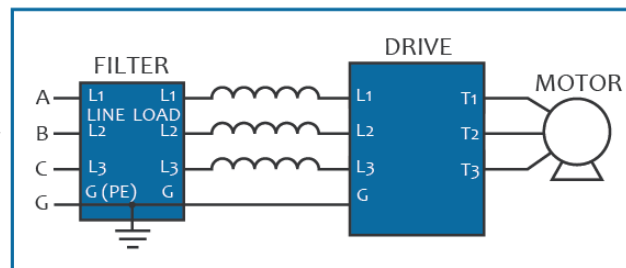
- In compliance with international safety standards, and in conformance with the CE Low Voltage Directive, these filters are supplied as standard with touch safe terminations on all units rated 150 Amps and below.
- Units rated higher than 150 Amps provide tab terminals for customer addition of wiring devices.

Connection of the Type RF EMI/RFI filters is intended for use at the input side of a variable speed drive or inverter ONLY

- DO NOT use these filters on the output (load side) of an inverter or drive.

- Good wiring practices will minimize RFI problems, including:

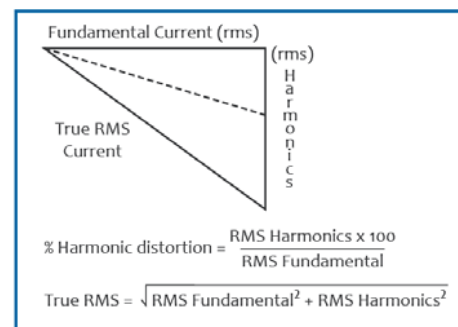
- Route all conductors as close to the panel as possible.
- Physically separate the filter input and output conductors.
- Keep drive input and output leads separated.
- Always keep power and control wiring separated.
- Use shielded wiring where possible.
- Use single point grounding (connect system ground to filter).



- Connect the incoming power conductors to the "Line" side terminals of the filter.
- Connect the "Load" side terminals to the line reactor or drive input terminals.
- The ground termination "G" may also be designated by "PE" or "N".
- Keep all wiring as close as possible to the grounded panel (ground plane).

Type RF EMI/RFI filters are rated in True RMS (trms) amperes.

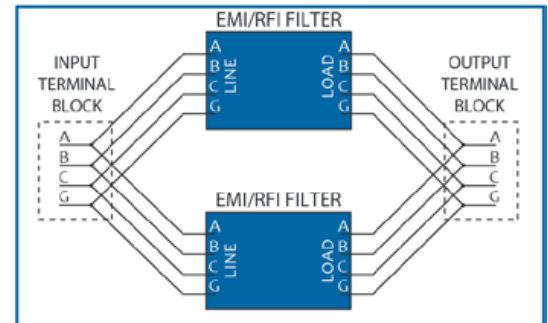
- Harmonic current distortion will increase the trms current of a system above the fundamental - current (typically motor FLA) of the connected loads.
- Line reactors (3% or 5% impedance) are useful in reducing harmonic current distortion and the trms current.
- If minimum 3% impedance line reactors are included in the installation, then the trms amperes will be lower and the filter can be sized for the reduced load current.
- If the trms amperes of the load to be connected to the filter are known, then select the filter directly from the RMS amperes selection tables.
- If the trms amperes are unknown, you can select the filters based on the horsepower (or kW) rating of the load to be connected.
- Determine if a reactor (minimum 3% impedance) will be used in addition to the Type RF filter and select accordingly.



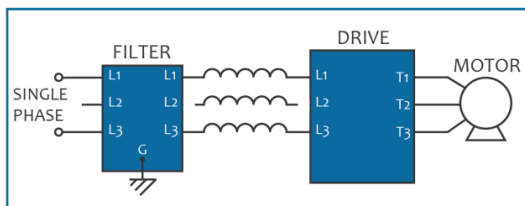


Parallel connection to achieve higher current ratings is possible with the Type RF EMI/RFI filters provided that identical models are used and the connection allows each individual filter to share current equality.

- Two separate terminal blocks will make this easier.
- Derate each filter by 10% when connecting in a parallel configuration, and always follow the NEC or local electrical codes.
- Make ground connections first.
- For each filter to be parallel connected, precut three leads of equal wire type and gauge to the same exact length. Connect the filter input terminals L1, L2, and L3 to the respective terminal on a separate terminal block. Repeat this procedure for the output terminals.
- For higher current single phase applications use an appropriately rated three phase filter. Connect the outer terminals of the three phase filter to the single phase connections.



Single phase applications are also available.



**! WARNING****ELECTRIC SHOCK HAZARD**

TO PREVENT SERIOUS INJURY OR DEATH:

- BEFORE performing maintenance or service, ALWAYS disconnect the power by turning off the circuit breaker or breakers to the fan locations and confirm Lockout/Tagout procedures are in place.
- If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the electrical panel.
- Do not remove covers while power is on.

Blade Cleaning

Depending on the commercial application, dust or other particulates can build up on the fan blades over time. At least every 12 months, a maintenance person or skilled trade professional, who has experience using a lift, should clean the blades using a rag or sponge and hot water or regular cleaning solutions. DO NOT use chlorine or any chemicals containing chlorine or the blades may be damaged.

Retention System Check

Each fan is installed with a retention system. Every 12 months, check that the retention cable is properly attached to the building structure. Inspect the visible portions of the retention cable for damage, including fraying.

The retention cable is an important part of the safety system and protects users in the unlikely event of a catastrophic situation. It is critical for fan owners to ensure that it is intact and properly secured.

Replacement Parts

Please call 1-844-591-3267 (FANS) for replacement parts, or email us at: fansupport@hunterfan.com

Service

If the fan does not operate properly using the procedures in this manual, follow Lock-Out, Tag-Out procedures for your facility and lockout all power to the unit and contact our Technical Department for further assistance at 1-844-591-3267 (FANS), or email us at: fansupport@hunterfan.com



Symptom

Possible Solution

FAN WILL NOT START

- Verify that the fan's circuit breaker has power and that it is on.
 - Verify that the VFD's receptacle has power and that the VFD is plugged in.
 - Check for secured plug connections. Each connection should be checked to ensure they are fully engaged.
 - Inspect for loose wiring connections. Each termination should be checked to be sure they are firmly tightened.
-

IF THE ABOVE IS VERIFIED AS WITHIN SPECIFICATION

- Cycle the power to the VFD by flipping the circuit breaker off for a minimum of three minutes. Flip the circuit breaker back on and check the fan's operation.
-

MOTOR IS PULLING EXCESSIVELY HIGH AMPS

- Make sure the VFD voltage is a match for the supply voltage.
 - Make sure that correctly sized fan blades have been installed.
-

FAN IS "SWINGING" AS IT RUNS

- Check for correct fan blade installation. Be sure that all blades are the same size and that all blades have been properly installed and tightened.
 - Ensure all guy wires are tensioned properly and that the downrod is plumb.
 - Check for improper incoming air discharge. Make sure that no discharge is blowing directly on the fan.
-

A FAN BLADE APPEARS TO BE 'SAGGING'

- Make sure that the 'sagging' blade has been properly tightened.
-

For situations beyond the scope of this guide, please call our Technical Service Department at 1-844-591-3267 (FANS), or email us at: fansupport@hunterfan.com



Hunter Industrial Warranty Statement

Effective for purchases on/after 03/11/2026

Hunter Fan Company ("Hunter") offers the following warranty for the products listed below that were purchased on or after 03/11/2026. This warranty is subject to all the conditions, limitations, and exclusions contained throughout this warranty document. Thank you for choosing Hunter!

Geographic Scope

This warranty applies to Hunter products installed anywhere in the world, provided the product was purchased from Hunter or an authorized Hunter reseller or distributor and installed in accordance with Hunter instructions. Nothing in this warranty limits or excludes any statutory rights you may have under applicable law, which may provide additional or different protections.

Products Covered and Warranty Period

Full HVLS Fan Kits Coverage when properly installed/operated per Hunter instructions:

Product Models	Item	Limited Warranty (Years)*
Titan, ECO, RM	Motor	Lifetime
	Blades	Lifetime
	Blade Holders	Lifetime
	Downrod	Lifetime
	Variable Frequency Drive (VFD)	10 Years
	User Interface	8 Years

Replacement Parts Purchased separately

Structural Components		
Product Models	Item	Limited Warranty (Years)*
Titan, ECO, RM	Motor	Lifetime
	Variable Frequency Drive (VFD)	Lifetime
	Blades	Lifetime
	Blade Holders	Lifetime
	Downrods	Lifetime

Controls	
Product Models	Limited Warranty (Years)*
350 Touchscreen Wall Controller	8 Years
500 Touchscreen Wall Controller	8 Years
700E Touchscreen Wall Controller	8 Years

Mounting Hardware/Cables	
Item	Limited Warranty (Years)*
Mounting Hardware, Safety/Communication/Power Cables, and Similar Install Accessories	1 Year
Fire Relay	1 Year
Short VFD Cable (76 cm - 1.2 m)	1 Year
Medium VFD Cable (1.4 m - 1.8 m)	1 Year
Long VFD Cable (2 m - 3 m)	1 Year
Network BACnet Gateway (TCP/IP)	1 Year
Network BACnet Gateway (MS/TP)	1 Year
POE Network Switch	1 Year
Network Range Extender	1 Year
30m Right Angle Comm. Cable CAT5	1 Year
61m Comm. Cable CAT5	1 Year
91m Comm. Cable CAT5	1 Year

Other Components	
Item	Limited Warranty (Years)*
700E w/ Zone Environmental Kit	1 Year
Zone 1 Environmental Kit	1 Year
Zone 2 Environmental Kit	1 Year

*Any component with lifetime limited warranty coverage is for the life of the component so long as the entire product remains at the original installation site in addition to all other requirements in this warranty document.

Note: Installing a replacement part in an existing fan does not reset or extend the overall fan kit warranty; the part carries the standalone coverage listed above.

What is Covered?

This warranty covers defects in materials or workmanship, as determined solely by Hunter, under normal use when the fan and other components are installed and operated correctly according to Hunter's written installation and operation instructions.

Who is Covered and When Does Coverage Start?

Hunter grants this warranty to the original purchaser and subsequent owners so long as the fan remains at the original installation site. Warranty coverage begins when the fan or Hunter replacement part is installed or 45 days from when the fan or Hunter replacement part was purchased – whichever date is earlier. This warranty is only applicable to fans or Hunter replacement parts purchased and installed in the United States and Canada.

What Will Hunter Do for You?

At Hunter's sole discretion, Hunter will offer one of the following options during the warranty period if Hunter determines that there is a defect in material or workmanship of one or more components:

- Repair or replace the defective component;
- Repair or replace the entire fan; or
- Refund the price you paid for the fan or the defective component.

* If no replacement component or product can be provided for your fan, Hunter may provide a comparable or superior replacement component or product at its sole discretion. Hunter reserves the right to utilize quality refurbished components for warranty work. Hunter may ask you to ship a defective component or product back to Hunter utilizing Hunter provided shipping labels with a particular return goods authorization number. Failure to ship a defective component or product back to Hunter within forty-five (45) days of receipt of replacement grants Hunter the right to invoice you for the component or product. You are responsible for packaging the fan or fan component in such a way to prevent damage during transport back to Hunter.

If Hunter determines, in its sole discretion, that there is no defect in the materials or workmanship of the returned component or product, the return will be subject to Hunter's return policy, including any applicable restocking fees, and Hunter reserves the right to charge you for the shipping fees.

* If no replacement component or product can be provided for your fan because the component or product has been discontinued, Hunter may, in its sole discretion, provide you a refund. The refund amount will be prorated based on the years you utilized the component or product. The maximum refund will be 100% of the purchase price, decreasing 15% each year for the first 5 years after installation, and 1% each year thereafter.

Limited Labor Warranty. This warranty extends for one (1) year from the date of installation, and it applies exclusively under the condition that the installation was both purchased from Hunter and

installed by a Hunter Factory Authorized Installer. Hunter will cover reasonable labor costs that have been pre-approved for any repairs or replacements deemed necessary under the terms of this warranty within the first year. It is important to note that labor coverage under this warranty is contingent upon prior basic troubleshooting conducted with a Hunter technical support representative. Labor costs for warranty work not meeting these criteria will not be covered.

How to Obtain Warranty Coverage?

If the fan is not operating properly, turn it off immediately. Proof of purchase and proof of the date of installation are required when requesting warranty service.

Contact the Hunter Industrial division online at www.hunterfan.com/pages/industrial-contact-us or by phone at 1-844-591-FANS (3267).

Your Responsibilities

In addition to anything else stated in this warranty document, you need to do the following in order to keep this warranty:

- Install the fan according to Hunter's installation instructions as well as according to all applicable federal, state and local laws, rules, codes, and regulations;
- For the electrical portions of the fan or component installation, utilize a licensed electrical contractor or other state qualified contractor;
- Install the fan indoors only unless the fan is specifically rated for outdoor use;
- Perform any maintenance, if required, per Hunter instructions;
- Follow Hunter's operating instructions;
- Use only fan controls supplied or authorized by Hunter;
- Report possible defects to Hunter within forty-five (45) days of discovery;
- Do not remove and reinstall the fan at another location; and
- Keep the fan operating in a safe environment free from exposure to chemicals, salt water, pool water, corrosive elements, and excessive heat, humidity, or wind.

What is Excluded from this Warranty?

Labor Excluded. Unless expressly stated elsewhere in this warranty statement, this warranty does not cover any costs or fees associated with the labor required to install, reinstall, disassemble, reassemble, remove, or replace a fan or fan component including related to shipping a fan or fan component back to Hunter. Installation associated costs (e.g. lift rental) are also excluded.

There is no warranty coverage for the following: fans that have been moved or reinstalled at a new location; fans purchased or installed outside the United States or Canada; fans for which proof of purchase and proof of installation has not been established; fans purchased from an unauthorized reseller; ordinary wear and tear; minor cosmetic blemishes; normal operating noises; adverse site conditions including excessive heat, humidity, wind, dust, or corrosive elements; refurbished fans; fans with removed or defaced serial numbers; defects reported more than 45 days from when they were discovered; and fans that are damaged due to any of the following: improper installation, misuse, abuse, improper care, failure to follow Hunter instructions including the requirements under the “Your Responsibilities” section of this warranty document, misapplication, accidental damage caused by the fan owner or related parties, shipping damage for product in transit to Hunter, modifications to the fan, improper or incorrectly performed maintenance or repair, improper voltage/current supply or power surge, use of improper parts or accessories, failure to provide maintenance to the fan, or acts of God (e.g. flood).

Except for the warranties provided in this warranty document, no other written or oral warranties apply and no other person (e.g. employee, rep, or dealer) is authorized to give additional or different warranties on behalf of Hunter.

ORIGINAL PURCHASER’S SOLE AND EXCLUSIVE REMEDY FOR A CLAIM OF ANY KIND WITH RESPECT TO THIS PRODUCT SHALL BE THE REMEDIES SET FORTH HEREIN. HUNTER FAN COMPANY IS NOT RESPONSIBLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING LOST PROFITS, DUE TO PRODUCT FAILURE, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE. Some states/provinces/territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT ARE LIMITED IN DURATION TO THE PERIOD OF COVERAGE OF THE APPLICABLE LIMITED WARRANTIES SET FORTH ABOVE. Some states/provinces/territories do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In addition to the rights herein, you may also have other rights which vary from states/provinces/territories to states/provinces/territories



Hunter Industrial Warranty Statement

Effective for purchases on/after 03/11/2026

Hunter Fan Company ("Hunter") offers the following warranty for the products listed below that were purchased on or after 03/11/2026. This warranty is subject to all the conditions, limitations, and exclusions contained throughout this warranty document. Thank you for choosing Hunter!

Geographic Scope

This warranty applies to Hunter products installed anywhere in the world, provided the product was purchased from Hunter or an authorized Hunter reseller or distributor and installed in accordance with Hunter instructions. Nothing in this warranty limits or excludes any statutory rights you may have under applicable law, which may provide additional or different protections.

Products Covered and Warranty Period

Full HVLS Fan Kits Coverage when properly installed/operated per Hunter instructions:

Product Models	Item	Limited Warranty (Years)*
DDI	Motor	5-Years
	Blades	Lifetime
	Blade Holders	Lifetime
	Downrod	Lifetime
	Variable Frequency Drive (VFD)	5 Years
	User Interface (HMI Control)	Lifetime

*Any component with lifetime limited warranty coverage is for the life of the component so long as the entire product remains at the original installation site in addition to all other requirements in this warranty document.

Note: Installing a replacement part in an existing fan does not reset or extend the overall fan kit warranty; the part carries the standalone coverage listed above.

Replacement Parts Purchased separately

Item	Limited Warranty (Years)*
Blades	Lifetime
Blade Holders	Lifetime
Downrods	Lifetime

Electrical Components Purchased separately

Item	Limited Warranty (Years)*
Motor	5 Years
Variable Frequency Drive (VFD)	5 Years
HMI Control	Lifetime

Mounting Hardware/Cables

Item	Limited Warranty (Years)*
Mounting Hardware, Safety/Communication/Power Cables, and Similar Install Accessories	1 Year
Fire Relay	1 Year
Short VFD Cable (76 cm - 1.2 m)	1 Year
Medium VFD Cable (1.4 m - 1.8 m)	1 Year
Long VFD Cable (2 m - 3 m)	1 Year
Network Range Extender	1 Year
30m Right Angle Comm. Cable CAT5	1 Year
61m Comm. Cable CAT5	1 Year
91m Comm. Cable CAT5	1 Year

What's Covered?

This warranty covers defects in materials or workmanship, as determined solely by Hunter, under normal use when the fan and other components are installed and operated correctly according to Hunter's written installation and operation instructions.

Who is Covered and When Does Coverage Start?

Hunter grants this warranty to the original purchaser and subsequent owners so long as the fan remains at the original installation site. Warranty coverage begins when the fan or Hunter replacement part is installed or 60 days from when the fan or Hunter replacement part was purchased – whichever date is earlier. This warranty is only applicable to fans or Hunter replacement parts purchased and installed in the United States and Canada.

What Will Hunter Do for You?

At Hunter's sole discretion, Hunter will offer one of the following options during the warranty period if Hunter determines that there is a defect in material or workmanship of one or more components:

- Repair or replace the defective component;
- Repair or replace the entire fan; or
- Refund the price you paid for the fan or the defective component.

* If no replacement component or product can be provided for your fan, Hunter may provide a comparable or superior replacement component or product at its sole discretion. Hunter reserves the right to utilize quality refurbished components for warranty work. Hunter may ask you to ship a defective component or product back to Hunter utilizing Hunter provided shipping labels with a particular return goods authorization number. Failure to ship a defective component or product back to Hunter within forty-five (45) days of receipt of replacement grants Hunter the right to invoice you for the component or product. You are responsible for packaging the fan or fan component in such a way to prevent damage during transport back to Hunter.

If Hunter determines, in its sole discretion, that there is no defect in the materials or workmanship of the returned component or product, the return will be subject to Hunter's return policy, including any applicable restocking fees, and Hunter reserves the right to charge you for the shipping fees.

* If no replacement component or product can be provided for your fan because the component or product has been discontinued, Hunter may, in its sole discretion, provide you a refund. The refund amount will be prorated based on the years you utilized the component or product. The maximum refund will be 100% of the purchase price, decreasing 15% each year for the first 5 years after installation, and 1% each year thereafter.

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installed by a Hunter Factory Authorized Installer. Hunter will cover reasonable labor costs that have been pre-approved for any repairs or replacements deemed necessary under the terms of this warranty within the first year. It is important to note that labor coverage under this warranty is contingent upon prior basic troubleshooting conducted with a Hunter technical support representative. Labor costs for warranty work not meeting these criteria will not be covered.

How to Obtain Warranty Coverage?

If the fan is not operating properly, turn it off immediately. Proof of purchase and proof of the date of installation are required when requesting warranty service.

Contact the Hunter Industrial division online at www.hunterfan.com/pages/industrial-contact-us or by phone at 1-844-591-FANS (3267).

Your Responsibilities

In addition to anything else stated in this warranty document, you need to do the following in order to keep this warranty:

- Install the fan according to Hunter's installation instructions as well as according to all applicable federal, state and local laws, rules, codes, and regulations;
- For the electrical portions of the fan or component installation, utilize a licensed electrical contractor or other state qualified contractor;
- Install the fan indoors only unless the fan is specifically rated for outdoor use;
- Perform any maintenance, if required, per Hunter instructions;
- Follow Hunter's operating instructions;
- Use only fan controls supplied or authorized by Hunter;
- Report possible defects to Hunter within forty-five (45) days of discovery;
- Do not remove and reinstall the fan at another location; and
- Keep the fan operating in a safe environment free from exposure to chemicals, salt water, pool water, corrosive elements, and excessive heat, humidity, or wind.

What is Excluded from this Warranty?

Labor Excluded. Unless expressly stated elsewhere in this warranty statement, this warranty does not cover any costs or fees associated with the labor required to install, reinstall, disassemble, reassemble, remove, or replace a fan or fan component including related to shipping a fan or fan component back to Hunter. Installation associated costs (e.g. lift rental) are also excluded.

There is no warranty coverage for the following: fans that have been moved or reinstalled at a new location; fans purchased or installed outside the United States or Canada; fans for which proof of purchase and proof of installation has not been established; fans purchased from an unauthorized reseller; ordinary wear and tear; minor cosmetic blemishes; normal operating noises; adverse site conditions including excessive heat, humidity, wind, dust, or corrosive elements; refurbished fans; fans with removed or defaced serial numbers; defects reported more than 45 days from when they were discovered; and fans that are damaged due to any of the following: improper installation, misuse, abuse, improper care, failure to follow Hunter instructions including the requirements under the “Your Responsibilities” section of this warranty document, misapplication, accidental damage caused by the fan owner or related parties, shipping damage for product in transit to Hunter, modifications to the fan, improper or incorrectly performed maintenance or repair, improper voltage/current supply or power surge, use of improper parts or accessories, failure to provide maintenance to the fan, or acts of God (e.g. flood).

Except for the warranties provided in this warranty document, no other written or oral warranties apply and no other person (e.g. employee, rep, or dealer) is authorized to give additional or different warranties on behalf of Hunter.

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In addition to the rights herein, you may also have other rights which vary from states/provinces/territories to states/ provinces/territories



Hunter Return Policy

This return policy is only applicable to fans purchased and installed in the United States and Canada.

If there is nothing wrong with the craftsmanship of your fan, you can still return it. Here's our return policy:

- Returns are allowed within 45 days from the date of delivery.
- All costs of the return, including shipping costs and freight insurance, are your responsibility.
- No product may be returned without prior authorization from Hunter. Contact Hunter customer service (844-591-FANS) or your sales representative to request a Returned Good Authorization (RGA) and to receive shipping instructions.
- You must ship the product in its original packaging to the approved address for returns.
- You are responsible for risk of loss and product damage due to shipping.
- For unpacked product, you will receive a full refund within 45 days of Hunter receiving the returned product.
- For product that has been unpacked but not installed, you will be charged a 40% restocking fee. This fee compensates for the inspection, repackaging, and restocking of the item.
- Hunter will not accept returns for product that has been installed, used, or damaged.
- Residential fans are excluded from this return policy. Please refer to the residential return policy for more information.

In the rare case that your fan is defective, or you received the incorrect product, please do NOT return the product. Instead call Hunter customer service (844-591-FANS) and our support team will help resolve the problem.







Hunter
INDUSTRIAL & COMMERCIAL DIVISION

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ASSEMBLED WITH CARE IN
NASHVILLE, TENNESSEE