



HVLS - 7L

**Permanent Magnet DC Brushless (PMSM)
HVLS Large Industrial Ceiling Fan with LED Lamp**

FOR PRODUCT PURCHASE:



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FOR AFTER SALES SERVICE:



HELP SQUAD SERVICES, INC.
297 D. Tuazon Ave., Brgy. San Jose, Quezon City
Phone Nos.: 0908-8908597 (Smart) / 0917-1042611 (Globe) 0917-1082201 (Globe)
Email: helpsquadservices@gmail.com / sales_mktg@colentco.com

PRODUCT MANUAL

Thank you for purchasing this ceiling fan! Please read this product manual carefully before use, and please keep it for future reference.

1, the Use Environment of the Product

The maximum temperature of the surrounding environment when using this product is +40°C; the maximum relative humidity of the surrounding air is 90% (+25°C); Altitude: ≤1000 meters, not suitable for places with corrosive gas, dust, steam or flammable and explosive gas.

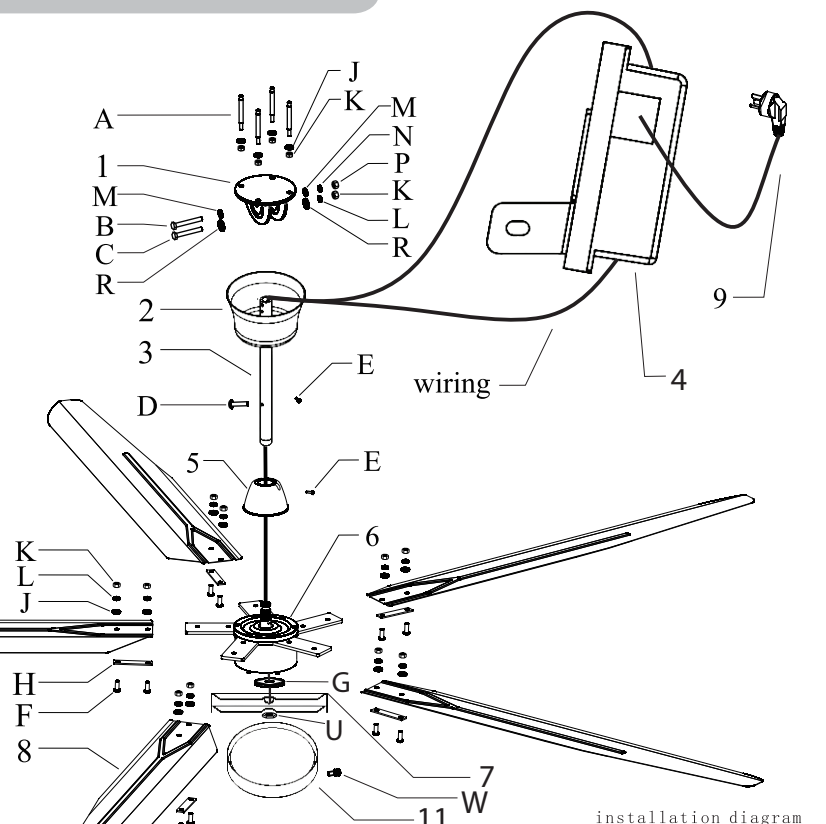
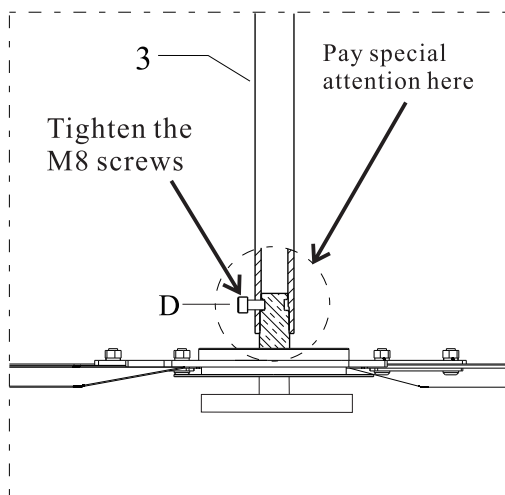
2, Please check the following precautions before installation

1. After unpacking, check whether all accessories are complete (please refer to the list of accessories and names)
2. Check whether the voltage and frequency are in line with the local power supply.
3. Check whether the fan head is flexible and whether the fan blades are deformed or not.

3, Specifications and Models

Model	Voltage	Rated Current	Air Volume	Maximum Power	Maximum Speed	N.W.	No of Blade	Noise
HVLS-7L	220V	1.8A	2500m ³ /min	220W	80-200r/min	18.4KG	5PCS	≤40dBA

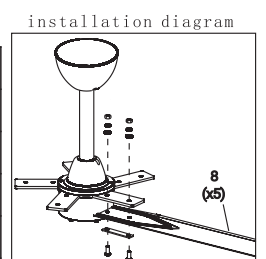
4, Accessories and Names



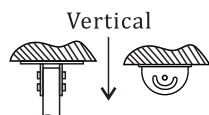
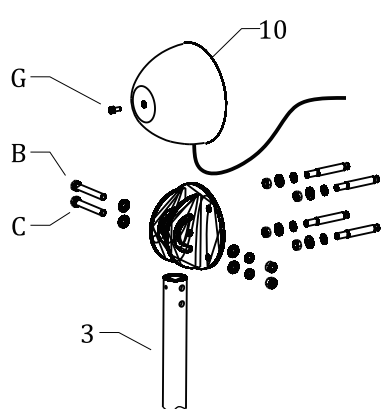
NO	Name	QTY
1	bracket splint	1
2	large vertical trim cover	1
3	connecting rod	1
4	Controller	1
5	small vertical trim cover	1
6	motor	1
7	Light Fixing Plate	1
8	blade	5
9	power cable	1
10	90 degree vertical trim cover	1
11	light	1

NO	Name	QTY
A	Expansion screw M8x80	4
B	Hex Head Cap Screws M10x65	1
C	Hex Head Cap Screws M8x65	1
D	Hex Head Cap Screws M8x20	1
E	Self-tapping screws M4x12	2
F	Hex Socket Cap M8x25	10
G	M12x1 Thin Nut	1
H	Long gasket 83mmx18mm	5
J	M8 flat gasket	14
K	M8 nut	15
L	M8 spring washer	11
U	M12Ultralargeflatgasket	1
V	M12Flat Washer	1
W	Cross Pan Head Bolt M4 x 5	2

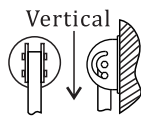
NO	Name	QTY
M	M10 flat gasket	2
N	M10 spring washer	1
P	M10 nut	1
R	M8 oversized gasket	2



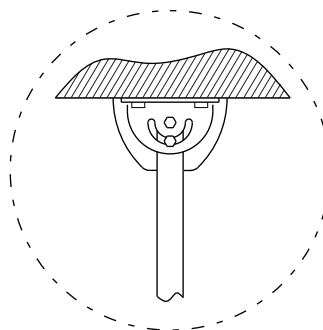
◆ Cement Beam Installation



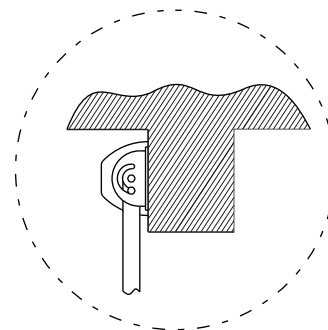
When installing the splint bracket, please use a spirit level to measure whether the installation is vertical



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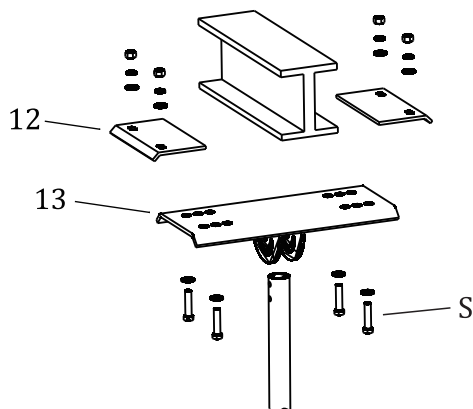


The structure after installation



The structure after installation

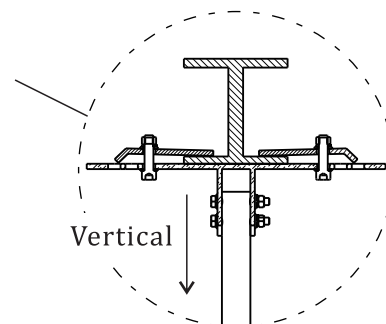
◆ I-Beam Installation



When installing the tray support
Please use a spirit level to measure whether the installation is vertical

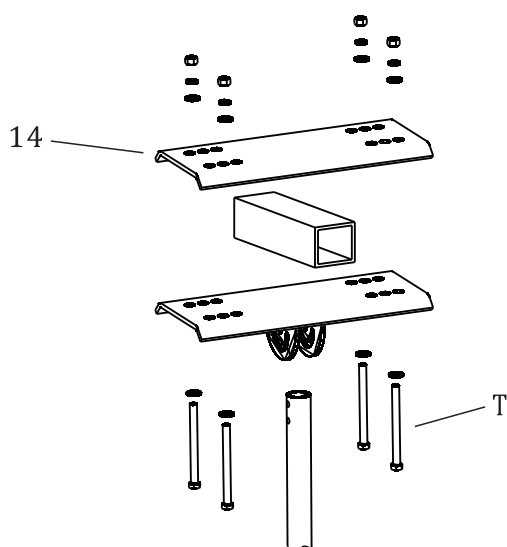
12 - Compression Plate
13 - The Tray Support

S - Hex Head Cap Screws M10x45



Sectional view after installation

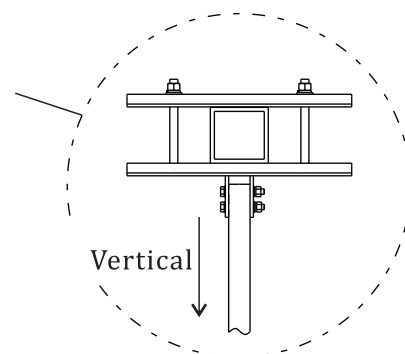
◆ “□” Steel Structure Installation



When installing the tray support
Please use a spirit level to measure whether the installation is vertical

14 - Top Support Plate

T - Hex Head Cap Screws M10x110



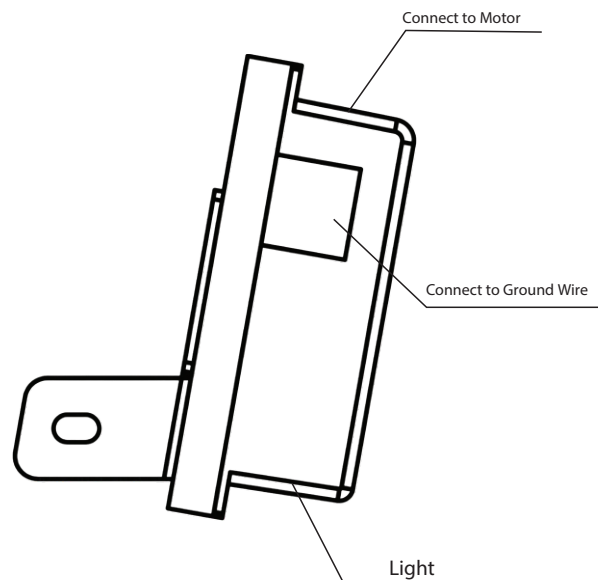
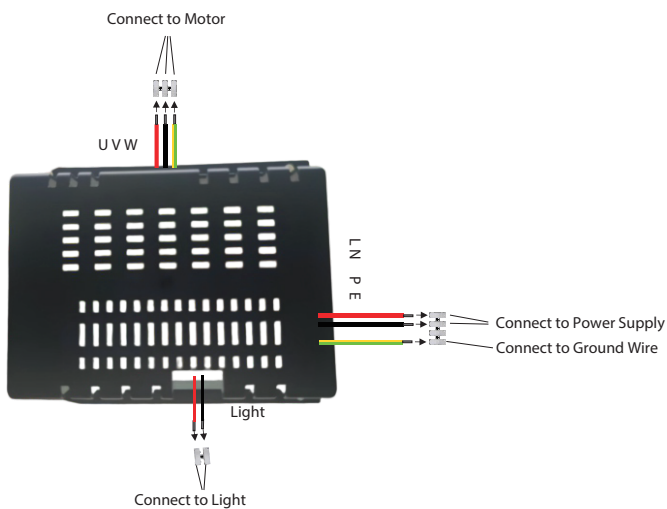
Sectional view after installation

5, Installation

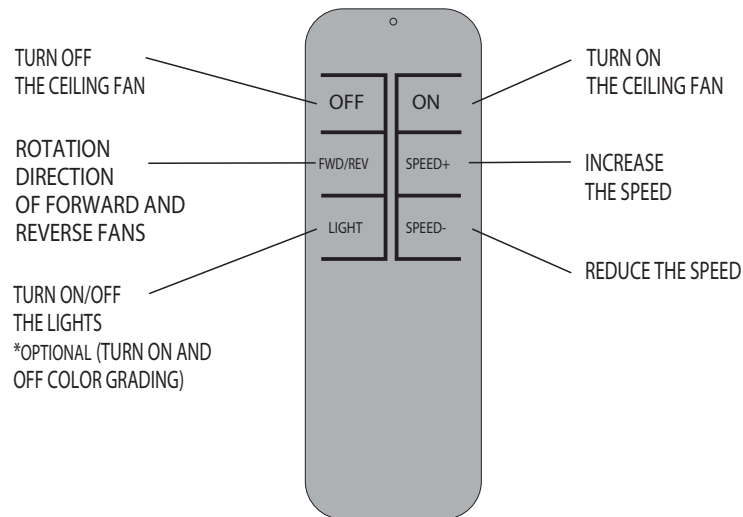
For the serial numbers that appear in the installation steps, please refer to the accessories diagram in chapter 3

- 1, First of all, ground work: insert ②⑤ into ③ firstly, and then pass the motor wire through ⑤ and into ③ as shown in the diagram, pay attention to the top and bottom of ③, and pass the wire through the top hole of ③.
- 2, Use a thin wrench to screw ③ through ⑤ into the thread of the motor shaft of ⑥. It needs to be screwed correctly. Check whether the position of the threaded hole on 3 is aligned with the groove on the upper end of the motor shaft of ⑥ (Note: If it cannot be aligned, Please contact our after-sales service) and then fix the screw D, which must be tightened (very important).
- 3, Use expansion bolts to fix ① to the cement beam.
- 4, Fix what you have installed in step 1 and 2 to ① with bolts, and then use self-tapping screws to fix ② and ⑤ in a suitable position, attention: ⑤ cannot touch the motor.
- 5, Install the blades ⑧ on the motor ⑥ in turn, as shown in the diagram, and fix them with bolts.
- 6, Install ⑦ on the motor ⑥, as shown in the diagram, and fix it with bolts.
- 7, Install the controller in a suitable position and connect the wires.
When installing the controller, use the lead-through plate to locate the holes on the wall.
I. Please use a drill with a diameter of 6mm to make holes (drilling depth ≥ 30 mm).
II. Insert the expansion sleeve at the top 2 drill holes first, and then screw the drywall nail into the expansion sleeve.
III. Insert the expansion sleeve into the bottom hole first, hang the controller on the top two holes, open the wiring cover, and then screw the drywall screw into the expansion sleeve of the bottom hole.
- 8, The motor wiring is connected to the UVW port inside the controller, and the wiring will be described in detail later.

6. Wiring



7.Operation and Display Instructions



8, Maintenance

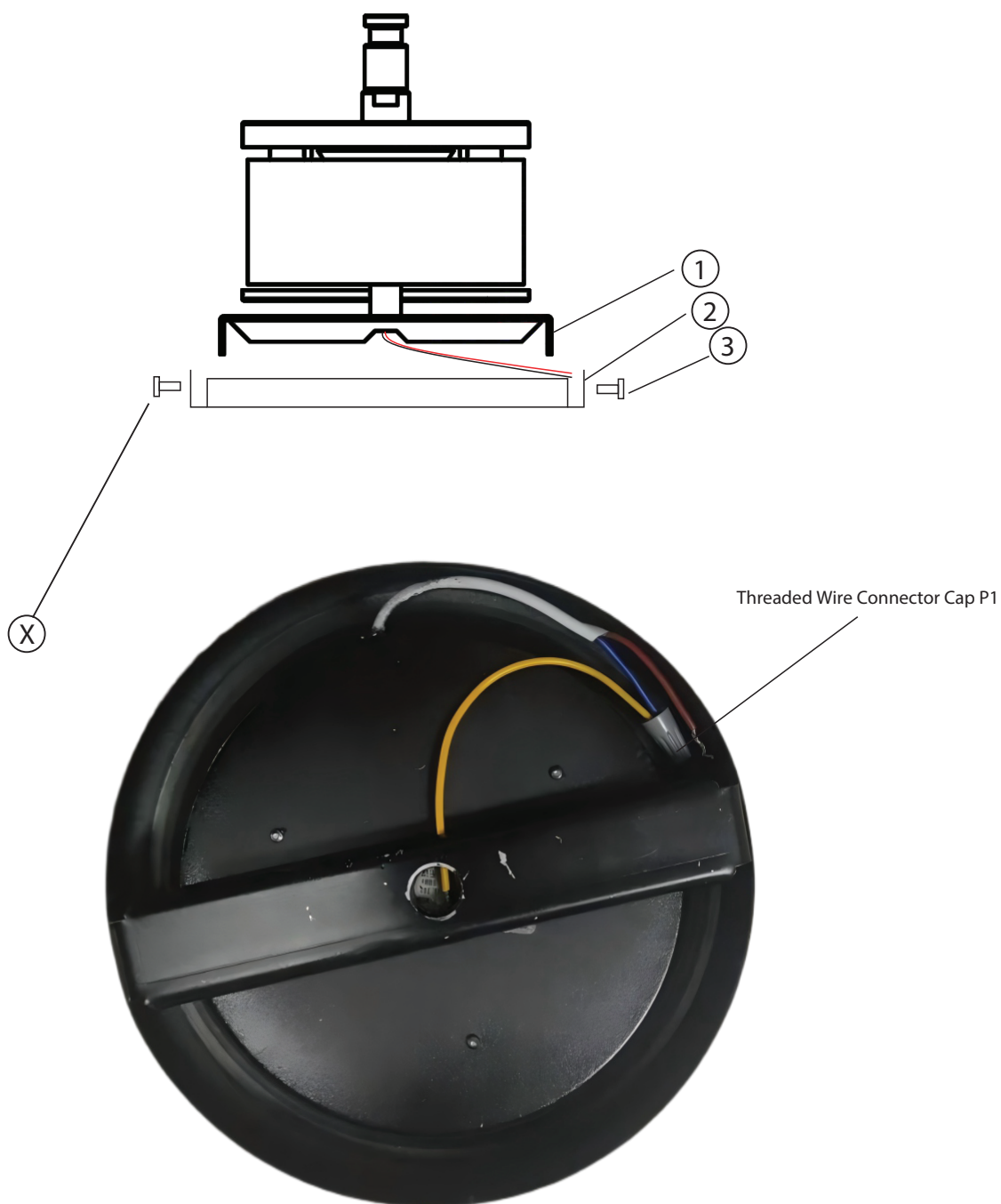
Electronic equipment and other components cannot be used permanently, and even under normal operating conditions, if the service life is exceeded, changes in characteristics or malfunctions may occur. To prevent such failures, regular inspections must be carried out. It is recommended to check every 3 or 4 months after the machine is installed.

Periodic Inspection and Maintenance Form

Items	Inspection Content	Solution
The Whole Machine	•Whether there are parts that have discolored due to aging •Whether the parts are damaged or deformed •Whether there is dirt, garbage, dust	•Replace damaged parts •Contact our after-sales service •Use a dry towel to remove dust and garbage, do not wash with water
Motor	•Whether there is abnormal vibration or abnormal sound when the product is running	•Shut down the fan, contact and consult our after-sales service •Check the condition of the components and tighten the connection, and tighten all the fastener screws
LED Operator	•Is the LED display correct? •Can the operation unit operate correctly? •Whether the operation part is dirty	•If the LED or operation button are defective, please contact our after-sales service •Sweep and wipe off dirt, do not wipe with water

9. Supplementary Installation (Light)

As shown in the figure, first install part ①, then twist the exposed copper wires of the motor and the copper wires of the lamp together, secure them with a threaded wire pressing cap, clamp the wires and the pressing cap into the surrounding groove, and finally fix part ② and part ① with part ③.



NO	Name	QTY
X	Cross Pan Head Bolt M4 x 5	2
Y	Threaded Wire Connector Cap P1	2