

Dragonfly® CCTV Cleaning Kit

INSTRUCTION MANUAL

Kit Codes

DRAGONFLY-CCTV-OV22
DRAGONFLY-CCTV-OV25
DRAGONFLY-CCTV-OV30
DRAGONFLY-CCTV-OV35

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Responsibilities

General Responsibilities

These operating instructions allows you to use the Dragonfly® CCTV kit safely and efficiently. The instructional booklet must be read before setting up, starting or using your equipment. It is an integral part of the product itself

Please read the warning and instructions contained in this booklet carefully. They provide important information on the safe use and maintenance of the equipment. Pay particular attention to general safety instructions.

Please keep this booklet in a safe place near your Dragonfly® CCTV kit for future consultation. Your Dragonfly® CCTV Kit is constructed according to current safety standard and regulations. The latest and current edition is illustrated in this manual. The contents of this booklet should be bought to the attention of all users.

Manufactures Responsibilities

Varitech Systems Ltd, the manufacture of Composite Poles™, holds 12-months warranty on all machines and equipment from the date of purchased (see Warranty section 2)

Varitech Systems Ltd, the manufacture of Composite Poles™, is in no case responsible for failures or errors caused by modifications to the unit by customer or other persons.

Personnel Responsibilities

The Dragonfly® CCTV Kit is designed and manufactured to be operated in industrial applications. It is important that the operator(s) of the The Dragonfly® CCTV Kit have read through these operating instructions thoroughly, and understand all safety instructions and regulations.

The Dragonfly® CCTV Kit is not intended for use by children, adolescents, persons under the influence of alcohol / drugs or simply lacking experience and knowledge.

These operating instructions are designed to educate the user, informing the operator how to carry out the task at hand successfully, whilst avoiding potential dangers that might occur.

Important
If needed, training videos can be found on the manufacture website: www.compositepoles.co.uk

Technical Specifications

Specification Data

Product Code	Dragonfly® 4
Country of Origin	United Kingdom
Height	mm
Length	470mm
Width	260mm
Dry Weight	921g
Optimum Operating Pressure	2.8bar psi
Pure Water Outlet Connection	Female Q21 stop connector
Electrical Power Supply	230V mains / 230V mains charger
Optimum Water Quality	000ppm
Pure Water Flow (optimum output)	3.8Lpm
Operating Time	8 Hours Battery Life

Parts and Accessories

The Dragonfly® CCTV Kit will include the following parts:

- 1x Streamline® Dragonfly® backpack, containing 1.5Ltr water reservoir.
- 1x chosen Composite Poles™ OVA8® Pole from 22ft to 35ft.
- 1x Dragonfly® pump box, containing a 12V battery, pump and remote control switch.
- 230V mains battery charger.
- 10x rectangular microfibre cleaning pads.
- 10x Circular microfibre cleaning pads.
- Pole attachment complete with spray jet.
- 15mtrs of pole tubing



Safety Regualtions

The Dragonfly® CCTV Kit is designed to clean the CCTV camera quickly and effectively from the safety of the ground. It eliminates the need for ladders and expensive access equipment. CCTV cameras which has not been cleaned for some time may require an initial clean, using conventional methods, but the Dragonfly® CCTV Kit will make short work of the maintenance thereafter.

Personal Safety

Stay alert, watch what you are doing and use common sense when operating the Dragonfly® CCTV Kit. Do not use the Dragonfly® CCTV Kit while you are tires or under the influence of alcohol, drugs or medication. A moment of inattention while operating the Dragonfly® CCTV Kit may result in serious personal injury.

Use personal protective equipment to avoid personal injury:

Protective Gloves

Saftey Goggles

Protective Footware

Additional protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection may be required depending on the safety regulations in the operator surroundings.

System Safety

The Dragonfly® CCTV Kit is manufactured with the safety of the operator in mind, including some key features such as; result in serious personal injury.



Over Pressure

- If the water pressure in the Dragonfly® system is above the standard 2.8bar / 40Psi pressure, the pressure switch is activated to stop the pump over pressurizing
- It is important to never open the Dragonfly® pump during operation or whilst under pressure.



Over Heating

- If the pump overheats on the Dragonfly® system, an activation switch is triggered and the system will automatically switch off.



Electrical Hazards

- Do not use the Dragonfly® in the vicinity of power lines, junction boxes, power sockets.
- If the Dragonfly® is used to clean illuminated signs, remember to switch off the power supply first.
- Never direct the jet towards people, animals or electrical equipment
- Before each use, undertake a visual check on all electrical cables for damage. Never use the Dragonfly® system with a damaged cable.



Mechanical Hazards

- When using the Dragonfly® do not place it on the ground or use it as a support element.

Use only original accessories that come with the Dragonfly® CCTV Kit, offering maximum quality and security. Failure to use original accessories absolves Varitech Systems Ltd, the manufacturer from all liability.

Electrical Specifications and Safety

Electrical connections must be carried out in respect of current legislation (in compliance with the provisions of the IEC 60364-1 standard) and in accordance with the manufacturer's instructions.

- Varitech Systems Ltd**,** the manufacture of Composite Poles™ declines all liability for dam age to persons, animals or things caused by faulty or incorrect connection.
- Before connecting the equipment, check that the specification given on the rating plate corresponds to that of the mains electrical supply.
- If the equipment is connected via an extension, use cables with an adequate cross section, never less than 1,5 mmq. The plug and socket must be watertight.
- The electrical safety of the equipment is guaranteed only when correctly and efficiently earthed as specified in current electrical safety legislation (in compliance with the provisions of the IEC 60364-1 standard). This fundamental safety requisite should be verified. If in doubt, ask a professionally qualified electrician to check the system thoroughly. It is recommended that the electric supply to this machine should include a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30ms or a device that will prove the earth circuit.

Varitech Systems Ltd, the manufactures of Composite Poles™, declines all liability for damage caused by faulty earthing of the appliance.

- The equipment can be disconnected from the mains only by unplugging the plug from the mains socket.
- When using any electrical appliance, certain fundamental rules should be respected:
    - Do not touch the appliance with wet hands or feet;
    - Do not touch the appliance with bare feet or unsuitable clothing;
    - Do not pull the power cable or appliance itself to unplug the plug from the mains.

4 Operating The System

Operating the Dragonfly® CCTV Kit

When purchasing the product, make sure it has an identification plate. If this is missing, notify the distributor / manufacturer where you purchased the unit from.

Use of an appliance without an identification plate absolves the manufacturer from all liability. Products without an identification plate should be considered as anonymous and potentially dangerous.



Unpacking of the Dragonfly® CCTV kit

Your Dragonfly® CCTV kit has been carefully manufactured, checked through QC and packaged as a kit.

Carefully unpack your new Dragonfly® and carry out a thorough visual check on all parts. If in doubt, do not use the system. Contact your dealer and/or manufacturer.

Packaging (bags, boxes, nails, tape etc.) should be kept out of reach of children as they may represent a potential hazard. Packaging can be recycled according to your local legislation.

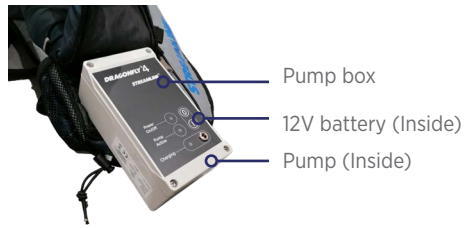
Important:

The unit must be protected from freezing.

Whats Included In Your Dragonfly® CCTV kit







To operate the Dragonfly® CCTV kit, you will need access to pure water and a telescopic pole (if not already included in your package)...

Charing your Battery

Before using the Dragonfly® CCTV kit, ensure that the battery is full charged.

i. Unzip the back-pack to expose the pump enclosure and partially slide it out.



ii. Insert the battery charging plug unto the socket on the pump enclosure.



iii. Plug the charger into a 230v mains power supply and switch it on. The blue charging light on the pump enclosure will illuminate.



The **RED LED** 'Charge' light will illuminate on the charger and indicates the charging process. During the testing cycle the **GREEN LED** 'Ready' flashes also but goes out after about 1 minute when the test phase is over. After termination of the fast charge, the charger switches automatically to trickle charge. The **RED LED** 'Charge' is off and the **GREEN LED** 'ready' is on for approximately 2 minutes. After about 2 minutes the indicator changes to **GREEN** flashing. The battery is now fully charged and ready for use.

If the **GREEN LED** 'Ready' flashes immediately after connecting the charger to the pump enclosure, and the **RED LED** 'Charge' lights up sporadically, this means that the polarity (+/-) at the charging cable is not set correctly. Please reverse the polarity, by removing the plug tip and turning it through 90 degrees before reinserting in into the connector. If both LED's are still flashing after changing the polarity and the steady light 'Ready' does not light up permanently, the battery is defective and cannot be recharged at all. In this case, the battery has to be replaced.

The optional discharging procedure can be started by pressing the button for discharging for about 2 seconds.

The **YELLOW LED** 'Discharge' lights and indicates the discharging procedure.
During the first minute, the **GREEN LED** 'ready' flashes but should turn off after the test phase

After discharging, which can in some cases last for several hours, the charger automatically switches over to fast charging.

The intelligent charger will not allow the battery to overcharge.

Assembling the Dragonfly® CCTV kit

All main parts and safety devices are assembled by the manufacture. Some other secondary parts may be supplied separately i.e. telescopic pole.

i. Open the top flap of the back-pack to expose the water reservoir. Fill the reservoir with deionised water and screw the cap on securely.



ii. Unzip the back-pack to expose the pump enclosure and partially slide it out. Press the power 'ON' button switch, which will illuminate green when in the 'ON' position.



iii. Activate the press button fob to confirm that the pump is working. The **RED** light on the pump enclosure will illuminate and the sound of the pump will be heard.



iv. Slide the pump enclosure into the back pack and zip the compartment closed.



v. Fit the back-pack on your back and adjust the webbing straps until it feels comfortable.



vi. Connect the hose from the back-pack to the connection on the bottom end of the pole.



Warning:
As with all technical appliances, your equipment should always be used according to the instructions.

All main parts and safety devices are assembled by the manufacture. Parts may be supplied separately i.e. telescopic pole.

Every Dragonfly® CCTV kit comes complete with ten of each microfibre pads:



- **V549100**
  Microfibre Rectangular Cleaning Pads 10cm
  For bullet cameras
  x10



- **V549220**
  Microfibre Circular Cleaning Pads 16cm
  For bullet cameras
  x10

Operating your Dragonfly® CCTV Kit System

i. Press the button on the fob until water sprays out of the spray tip.

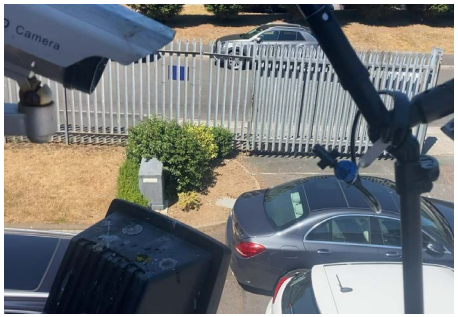


ii. Familiarise yourself with the quantity of water which the spray tip allows.

iii. Extend the pole to the required height and dampen the glass with a short spray of water. Do not over-wet the glass.



iv. Buff the camera with the microfiber mop, wetting the lense if necessary.



v. The spray tip may drip after releasing the fob button. Take precautionary measures if working above water sensitive areas.

The spray tip has a very small spray orifice and will easily block if dirt is allowed to enter the reservoir. Make sure that only clean water is used, and that the reservoir is not used for other purposes which may cause contamination.

Turning your Dragonfly® CCTV kit OFF

To switch off the Dragonfly® CCTV kit off after completing the cleaning task, simply:

i. Press and hold the 'POWER' button on the pump control box



ii. Disconnect the pole from the backpack unit



iii. Empty the reservoir after each use. Store the battery charger separately in a dry place. Wash the microfiber pads after each use and allow them to dry



Malfunctions & Troubleshooting

During the usage of the Dragonfly® CCTV kit, there may be some small troubleshooting to undertake:

i. The pump is active but there is no water coming out?

- a. Check the water reservoir has pure water inside
- b. Check all hose connections are secure and there are no blockages

ii. The pump light is not active when switching on the powerpack?

- a. Ensure you have the correct operating fob with the Dragonfly® backpack
- b. Contact Streamline® service team

iii. The powerpack is not turning on with the power 'ON' button?

- a. Ensure you full charge the battery before each use – see section 6. Charging Battery
- b. Contact Streamline® service team

Declaration Of Conformity

EC Declaration of Conformity according to the, RoHS Directive 2011/65/EC. The Dragonfly® has been designed and produced by Composite Poles™ in accordance with the above mentioned EC Directives. The technical documents are complete. The complete EC Declaration of Conformity with all standards applied can be requested on the Streamline® Website or directly from Composite Poles™.



Dean Scott
Development Director

Composite Poles™ Warranty

The warranty on all Machines and Equipment is for 1 year (12-months) from RECORDED DATE OF PURCHASE.

THIS WARRANTY EXCLUDES NORMAL MAINTENANCE ITEMS, including but not limited to HOSES, FILTERS, O-RINGS, DIAPHRAGMS, VALVES, GASKETS, CARBON BRUSHES and damage to motors and other components as a result of failure to replace normal maintenance items. THIS LIST IS NOT EXHAUSTIVE.

If Composite Poles™ receives notice of such defects during the warranty period, Composite Poles™ will either, at its opinion, repair or replace components which prove to be defective.

Replacement parts will only be supplied under warranty, upon the inspection and approval of the defective parts by Composite Poles™.

Should it be necessary to supply replacement parts before the opportunity to inspect, these will be charged at current prices and credit will only be issued upon subsequent inspection and warranty approval by Composite Poles™.

The customer is responsible for the cost of return of the defective part. If warranty is approved, Composite Poles™ will pay for the cost of the repaired or replacement part.

This warranty excludes the following conditions and circumstances which are at the discretion of Composite Poles™:

Wear and tear, misuse, abuse improper maintenance, frost damage, the use of chemicals other than those supplied or approved by Composite Poles™, improper installation or repair, unauthorised modification, incidental or consequential costs, loss or damage, service, labour or third party charges, the cost of returning defective parts to Composite Poles™

This warranty constitutes the exclusive remedy of any purchaser of a Composite Poles™ unit and is in lieu of all other warranties, express or implied, including without limitation any implied warranty of merchantability or fitness for use, to the fullest extent permitted by law. In no event shall any implied warranty of merchantability or fitness for use exceed the term of the applicable warranty stated above and Composite Poles™ shall have no other obligation or liability.

Important

Unfortunately these rights cannot be transferred to a third party.

Notes

W: www.compositepoles.co.uk E: sales@compositepoles.co.uk T: +44 (0) 1626 839 965

Dragonfly®
CCTV Cleaning Kit

INSTR-CCTV-KIT