

OPERATION & MAINTENANCE



Product Code # 58760-PD

Contents -

Liability	3
Warranty	3
Copyright	4
General Safety Instructions	4
Electrical Warning Symbol	4
Purpose & Use of this manual	5
Qualifications Required (assumptions)	5
Appropriate Use	5
Supplied goods	5
Transportation, Storage & Unpacking	6
Emergency Stop / Emergency Off	6
Personal Protective Equipment	6
Exceeding Permitted Pressure and/or Temperature Levels	6
Safeguards	6
External Forces	7
Electrical Equipment Inspections	7
Maintenance & Repair	7
Obvious Misuse	7
Product Description	8
Schematic Layout of Various Installations	9
Component List	9
Operating Principles	10
Markings	11
Installation	11
Electrical Connections & Wiring Diagram	13
Commissioning	14
VEXO™ iX-2 Controller	15
Monitoring & Parameters	17
Electrical Checks & Inspection	18
Decommissioning & Dismantling	19
General Access	19
Declaration of Conformity	20
Service History	21



WARNING – This equipment must only be used, maintained or serviced by trained competent operatives. If in any doubt please do not touch this equipment. Please contact VEXO International or your reseller for additional advice, information and guidance.

Liability -

All technical information, data and information contained herein are correct at the time of publication. To the best of our knowledge this information is the sum of our current findings and experience. We reserve the right to make technical changes subject to the future development of the VEXO™ product referred to in this publication. Hence no rights may be derived from technical data, descriptions and illustrations. Technical pictures, drawings and graphs do not necessarily correspond to the actual assemblies or parts as delivered. Drawings and pictures are not to scale and may contain symbols for simplification.

Warranty -

Active Period: Manufacturing defects for 18 months from the date of manufacture or 12 months from the date of commissioning, whichever is sooner. This warranty covers manufacturing defects only.

Please note that removal of the identification data labels from the equipment will render the manufacturing warranty null and void. Manufacturing defects confirmed within the active warranty period will be corrected at no charge.

The warranty is conditional upon the following clauses:

- 1.1 The equipment must be commissioned by a trained, competent technician or qualified person, who can verify the integrity of the equipment at that time. The qualified person must confirm in writing that the equipment is undamaged as a result of transportation and installation and is fit to begin the warranty period.
- 1.2 Photographic evidence must be collected at the time of commissioning to verify the condition of the equipment at that time.
- 1.3 A trained, competent technician or qualified person must test the equipment annually.
- 1.4 This warranty covers the equipment against manufacturing defects. Normal wear and tear is not covered by this agreement and should form part of a separate service agreement.
- 1.5 The equipment must be stored, installed and operated in a frost-free and dry area. Damage resulting from exposure to adverse temperatures or other adverse environmental conditions will not be covered by this agreement.
- 1.6 Any and all non-warranty service visits and non-warranty inspection visits are chargeable and are not covered by this warranty.

Any service costs are applicable if a defect or problem manifests as a direct result of the connected system, misuse, incorrect handling, incorrect installation or incorrect commissioning of the unit. Confirmed manufacturing defects will be addressed as per the above. Additional remedial works due to the misuse, incorrect handling, incorrect installation or incorrect commissioning of the unit remain chargeable.

Copyright -

The information contained in this manual is confidential. The manual may be circulated among authorized personnel only. It may not be distributed to third parties. All documentation is protected by copyright. Distribution or other forms of reproduction of documents, even extracts, exploitation or notification of the contents hereof is not permitted, unless otherwise specified in writing by VEXO™ International (UK) Ltd. Infringements are liable to prosecution and payment of compensation. We reserve the right to exercise all intellectual property rights.

General Safety Instructions -

Disregard for, or lack of attention to, the information and measures contained in this manual may pose a hazard to people, animals, the environment and tangible assets. Failure to observe the safety regulations and the neglect of other safety measures may lead to the lapse of liability for damages in the event of damage or loss.

DEFINITIONS:

Operator: Natural person or legal entity who owns and uses the product, or whom use of the product has been entrusted to on the basis of a contractual agreement.

Principal: Legally and commercially liable client in relation to the system as a whole.

Responsible Person: The representative appointed to act by the installer or operator.

Qualified Person (QP): Any person whose professional training, experience and recent professional activity affords them the requisite professional knowledge. This implies that such people have knowledge derived from relevant national and internal safety regulations.

Electrical Warning Symbol -



Danger - Electric Current

Disregarding these warnings may:

- endanger health,
- cause death, fire or other damage,
- lead to the overloading of individual components and to damage,
- or otherwise impair the unit's function.

Caution - Warning for mistakes and wrong basic assumptions

Consider the implications of errors and incorrect set-up conditions carefully!

Disregarding these warnings may lead to:

- serious personal injury,
- overloading of individual components and damage,
- impair the unit's function.

Purpose & Use of This Manual -

The following pages list the information, specifications, measures and technical data that will allow relevant personnel to operate the product safely and for its intended purpose. Responsible persons or those engaged by them, performing required services relating to this product, must study this manual to ensure a good understanding of the information contained herein. Such services include: storage, transportation, installation, electrical installation, commissioning and re-starting, operation, maintenance, inspection, repair and dismantling. Where the product is to be used in plants/facilities that do not comply with harmonized regulations and relevant technical rules and guidelines of professional associations for this field of application, the present document is purely for informative and reference purposes. As this unit may be subject to unlimited inspection at all times, this manual must be kept in the immediate vicinity of the installed unit, at least within the confines of the operations room.

Qualifications Required, Assumptions -

All personnel must possess the relevant qualifications to carry out the required services, and be physically and psychologically capable to do so effectively.

Operating instructions are transferred by VEXO™ representatives, or others assigned by them, during delivery negotiations, or on demand. On-site requirements include logistics, manual handling, and the preparation of an installation location with the requisite foundation engineering to accommodate the unit and the requisite hydraulic and electrical connections, the electrical installation for the power source of the equipment and installation of the BMS signal leads if required.

Appropriate Use -

This equipment is designed for use on sealed and un-sealed thermal systems (heating, chilled and condenser water). It is designed to confirm when a filter or item of equipment is blocked with a designated differential pressure rating and signal the fact with either an audible alarm, strobe light and/or a BMS common alarm signal. The maximum operating water limits of this equipment are 435 PSI.

Supplied Goods -

The items delivered must be compared against the items listed on the shipping note and inspected for conformity. Unpacking, installation and commissioning may be started only once the product has been checked as conforming with the intended use. In particular, exceeding the permissible operating or design parameters may lead to malfunctioning, component damage and personal injury. The product may not be used if circumstances are not in line with our conformity statement, or if the delivery proceeded incorrectly in any other manner.

Transportation, Storage & Unpacking -

The equipment is delivered in packing units conforming to contract specifications, or specifications required for certain transportation methods and climate zones. At a minimum, packing units meet the requirements of VEXO™'s packaging guidelines. Important note: Deliver the packed goods as close as possible to the installation location and make sure there is a vertical, solid surface to which the goods can be mounted / secured.

Emergency Stop / Emergency Off -

The required EMERGENCY - STOP facility, in line with directive 2006/42EC, is present in the main power switch on the front panel. Refer to the VEXO™ PD-Monitor™ Schematic, item 6 on page 9 of this document.

Personal Protective Equipment (PPE) -

To prevent or minimize the risk of personal injury, PPE must be used when doing potentially dangerous work, or other activities, if alternative safety measures cannot be taken.

Any alternative safety measures must comply with the requirements set by the main contractor or operator of the plant room, or the site in question. In the absence of alternative safety measures, the minimum requirements for operating the product are safety goggles, hand protection, well-fitting clothing and sturdy, closed and skid-proof footwear.

Exceeding Permitted Pressure and/or Temperature Levels -

Equipment used in combination with the VEXO™ PD-Monitor™ must guarantee that the permitted operating temperature and the permitted medium temperature (heat transfer medium) cannot be exceeded. Excess pressure and temperature may lead to component overload, irreparable damage to components, loss of function, and as a result, may lead to severe personal injury and damage to property.

These safeguards must be checked/inspected regularly. The ambient air temperature in which the VEXO™ PD-Monitor™ is to be installed should be between 41°F and 113°F.

Safeguards -

The equipment supplied is equipped with the required safety devices. To test their effectiveness or restore the original set-up conditions, the equipment must first be taken out of service. Taking the system out of service implies that power should be isolated, hydraulics isolated and then vented.

NOTE: Power supply must have suitable ground.

External Forces -

Avoid any additional forces (e.g.: forces caused by heat expansion, vibration or dead weights on the flow and return lines). These can lead to damage / leakage in water-bearing piping, loss of stability of the appliance and potential failure of pressure bearing components.

Electrical Equipment Inspections -

Routine maintenance and service inspections should be performed annually to insure that the VEXO™ PD-Monitor™ continues to operate correctly. An inspection should be carried out every 12 months.

Maintenance & Repair -

Before any service work is to be performed on the VEXO™ PD-Monitor™, isolate and remove all power from the system. Donning the proper PPE for the area that the work is being performed in. The VEXO™ PD-Monitor™ equipment must be taken out of service and guarded against unintentional re-starting until the maintenance work is finished. When installed with a VEXO™ X-POT™, the control panel can be interconnected to a BMS or alarm system to allow for indication that the filter is ready for change and the magnets are ready for cleaning. The VEXO™ iX-2 Controller is fitted with a combined visual illuminated flashing light in low light situations for visual indication and audible alarm as an indication of filter blockage. The unit must be inspected on an annual basis, and the electrical and mechanical components verified for operation and integrity.

Task	VEXO™ PD-Monitor™
Visual inspection of components	6 Months - Site technician
Operational check of hydraulic components	12 Months - Annual Service - Qualified Person
Operational check of electrical components	12 Months - Annual Service - Qualified Person

Obvious Misuse -

- Operation at incorrect water pressures, voltage and/or frequency.
- Use in inappropriate system designs and environments.
- Use of non-permitted or inappropriate installation materials.

Product Description -

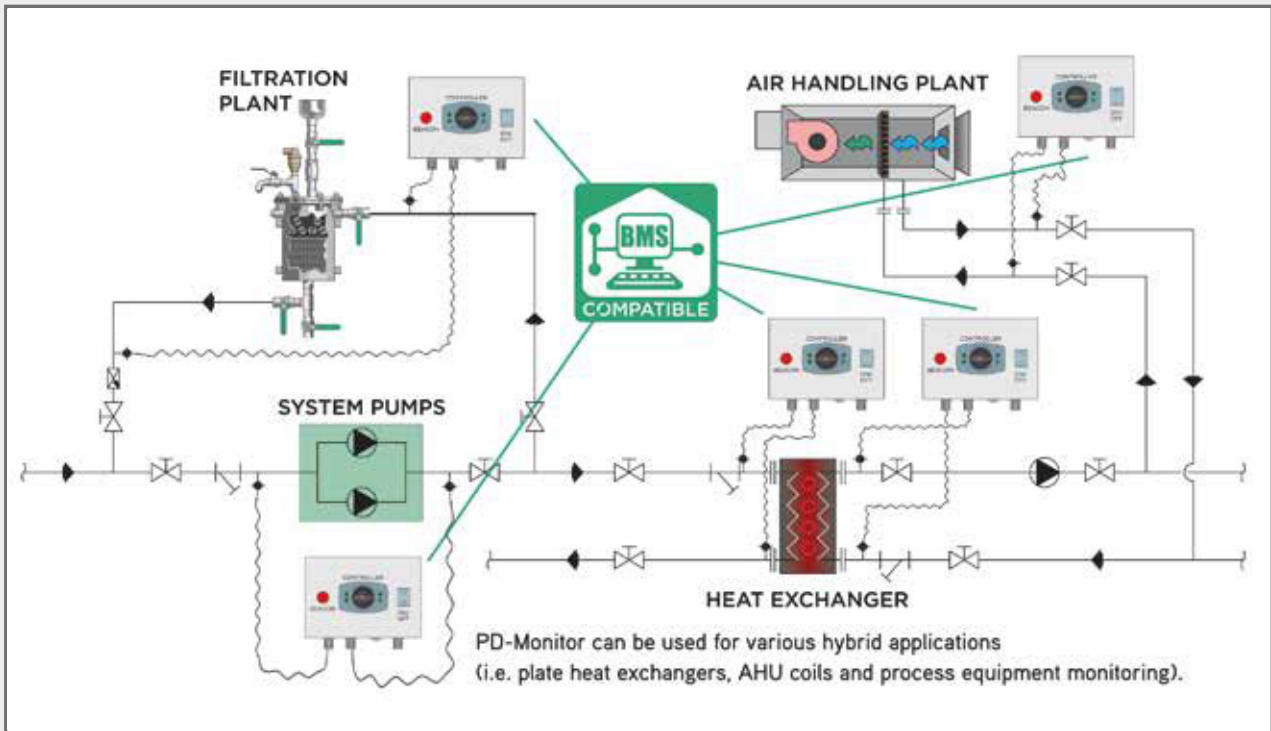
The VEXO™ PD-Monitor™ is a packaged pressure differential monitoring unit. It is a fully assembled, factory tested, wall-mounted unit incorporating:

- 2# 4-20 milliamp pressure transducers.
- VEXO™ iX-2 12-volt Controller with RS485 MODBUS BMS connectivity - option.
- Strobe Light (Visual Warning Alarm).
- 5-Amp Relay for blocked filter and sensor fail alarm.
- MODBUS RS485 & 5-Amp Common Alarm Relay used to contact BMS System (Normally Open)
- VEXO™ iX-2 Controller incorporates buzzer/sounder (mute button provided).
- Pre-set to 6 PSI pressure differential.
- Working Pressure up to 435 PSI.
- Working fluid temperature -40°F up to 212°F

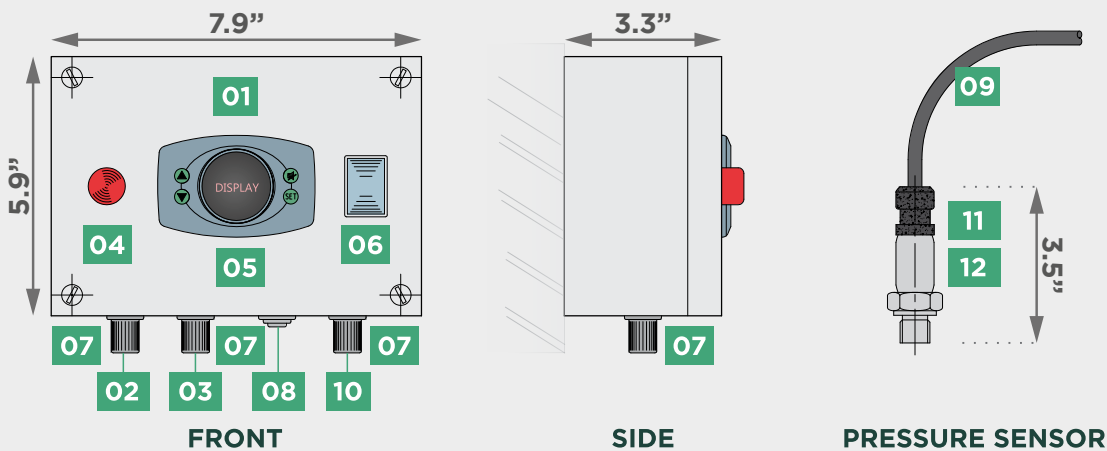
Model	Max. Working Pressure	Weight	Dimensions			Max. Working Temp.	Min. Working Temp.
			Width	Depth	Height		
VEXO™ PD-Monitor™	up to 435 PSI	2.9 lbs	7.9"	3.3"	5.9"	212°F	24.8°F

Model	Power Supply	Transducer Conn.	IP-Rating	Fuse Ref.	Max. Ambient Temp
VEXO™ PD-Monitor™	115v 60Hz 13.5mA	1/4" NPT	54	T3.15 AL 115V	113°F

Schematic Layout of Various Installations -



Components List -

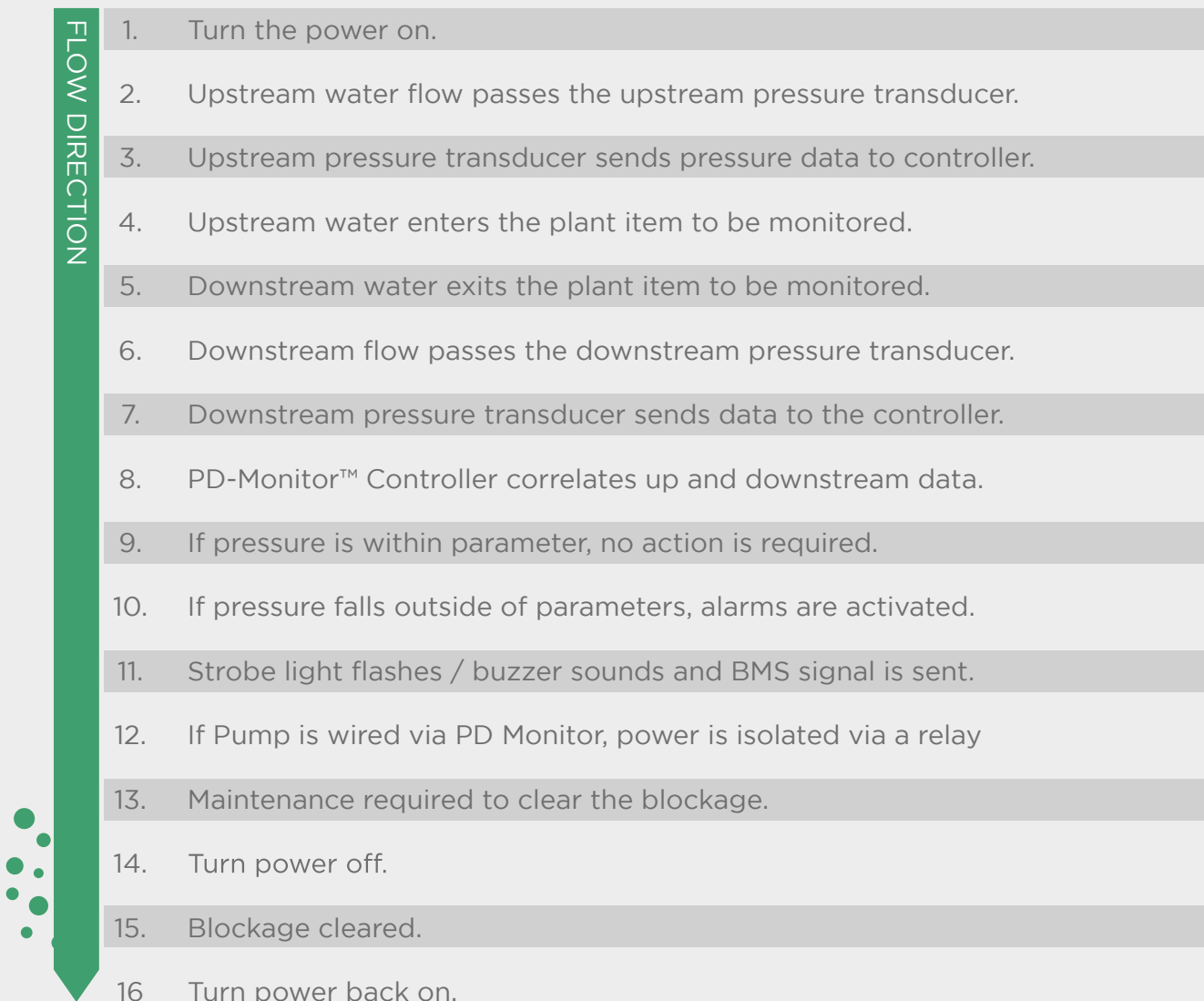


- | | |
|--|--|
| <ul style="list-style-type: none"> 01 PD-MONITOR™ Controller Unit 02 Pressure Transducer Socket #1 Upstream of plant to be monitored 03 Pressure Transducer Socket #2. Downstream of plant to be monitored 04 PD-MONITOR™ Flashing Light 05 VEXO™ iX-2 12 Volt controller (with MODBUS RS485 Connectivity) 06 PD-MONITOR™ main electrical isolation switch | <ul style="list-style-type: none"> 07 3No. 16mm Cable gland. 08 Blank Gland for BMS Dry contact or BMS Modbus RS485 via BACnet gateway 09 5.9' Flying Cable for the Pressure Transducers 10 Power to be connected to a suitable 115-120V/60 Hz, 15 amp grounded recepticle 11 Pressure Transducer #1 (Upstream) 12 Pressure Transducer #2 (Downstream) |
|--|--|

Operating Principle -

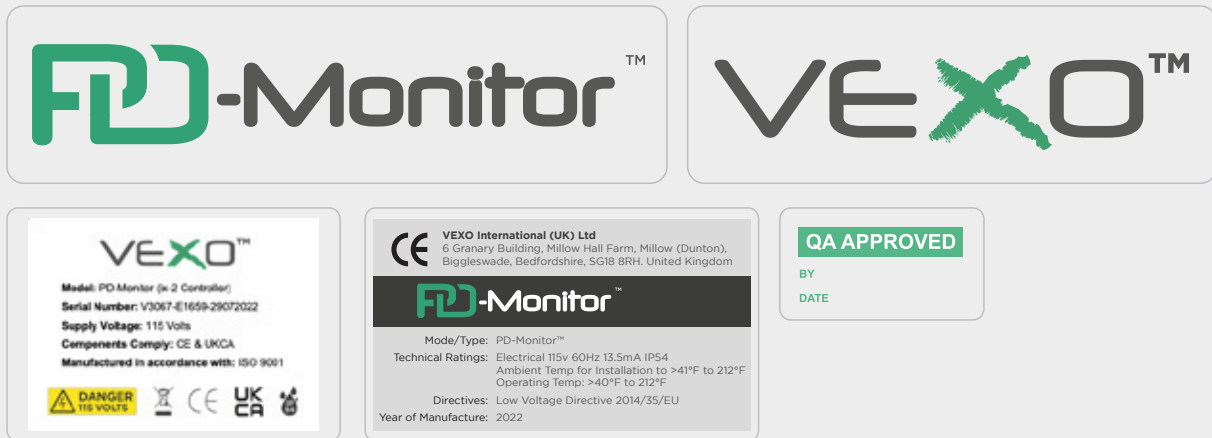
The VEXO™ PD-Monitor™ is designed to be a self-contained pressure differential monitor and alarm signalling device. It has a dedicated up-stream pressure transducer and down-stream pressure transducer connection to a sealed or open vented system. As system fluid passes through the hydraulic components in the flow sequence below, if the pressure detected upstream and down-stream is out of the pre-set parameters within the VEXO™ iX-2 Controller, the alarm settings are activated to signal a blockage within the item of plant the unit is monitoring.

Operating Sequence Chart -



Markings -

The following markings and warnings are installed on the VEXO™ PD-Monitor™.



Installation (Basic Installation Requirements) -

The VEXO™ PD-Monitor™ controller unit (item 1) is to be positioned in a dry location and fixed to a sturdy wall / frame as close as possible to the item of plant to be monitored. The ambient air temperature in which the VEXO™ PD-Monitor™ is to be installed should be between 41°F and 113°F. The pressure transducers need to be connected either side of an item of plant which requires the pressure differential to be monitored. Please note that the pressure transducers are supplied with a 70.8” flying lead.

The VEXO™ PD-Monitor™ controller unit is supplied with a 3’, 3-wire grounded cord end (item 10). Suitable to be connected to any standard 15-amp grounded receptacle. **Power circuit must have suitable ground.**

Pressure Transducer 1 (item 11) is to be located up-stream of the plant item and Pressure Transducer 2 (item 12) is to be located down-stream of the plant item. Each pressure transducer has a 1/4” NPT thread for connecting to the system pipework with a suitable sealing compound.

Each transducer is connected to the transducer cable (item 9) via a Packard plug (items 11 & 12). Ensure the cables from the Packard plug to the controller unit (item 1) are kept clear of fouling, are secured to a hard surface, and that any spare cable is coiled and cable-tied. Keep the transducer cable away from electrical mains cables where possible as this may interfere with the current and provide false readings.

Installation (Critical Installation Requirements) -

The equipment must be located:

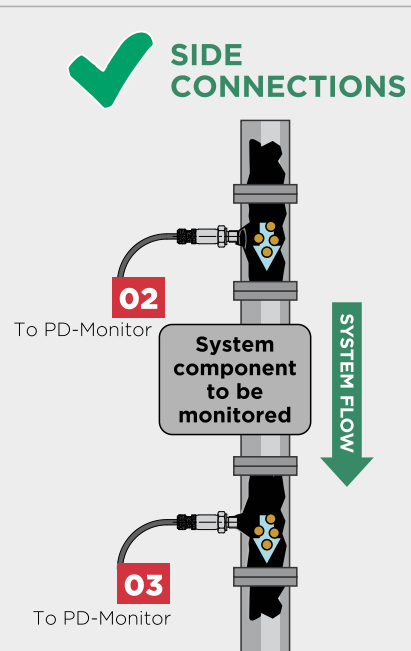
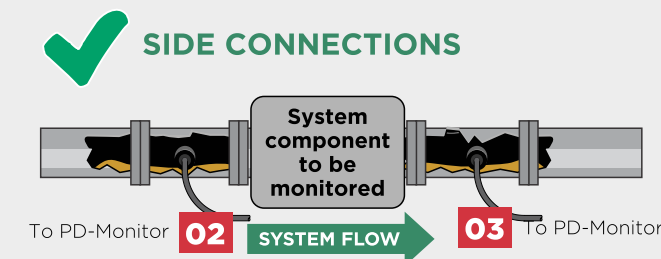
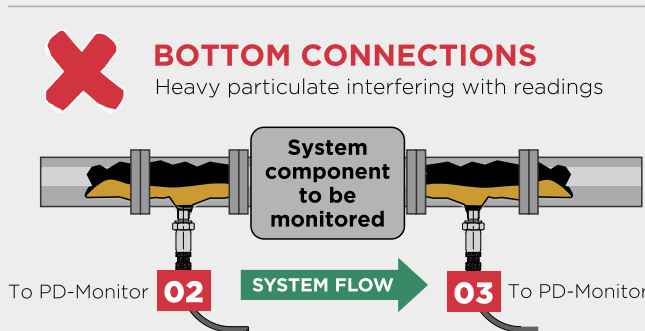
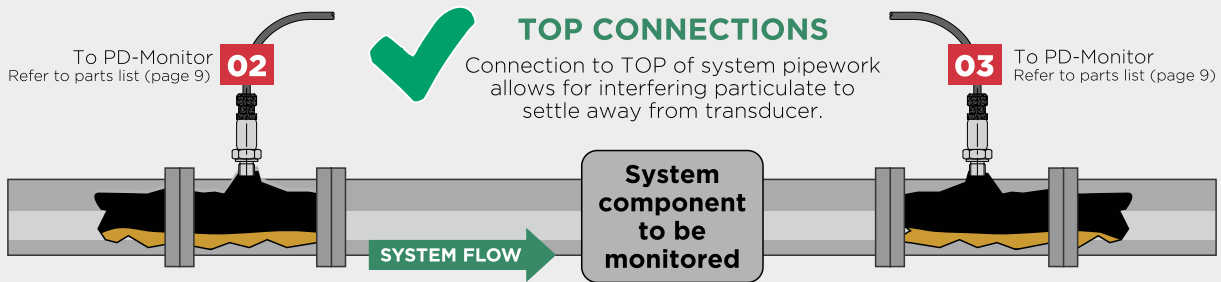
- In a frost-free area (>41F), protected from adverse environmental conditions.
- In a well-lit area to allow for safe maintenance.
- On a flat, vertical, level, solid wall or frame with clear access of 7.9” all around the controller unit.

Care must be taken when handling this equipment. Appropriate safety measures must be in place in respect of use, handling and application of:

- Electrical equipment.
- Sealed system water.
- Hydraulic equipment.

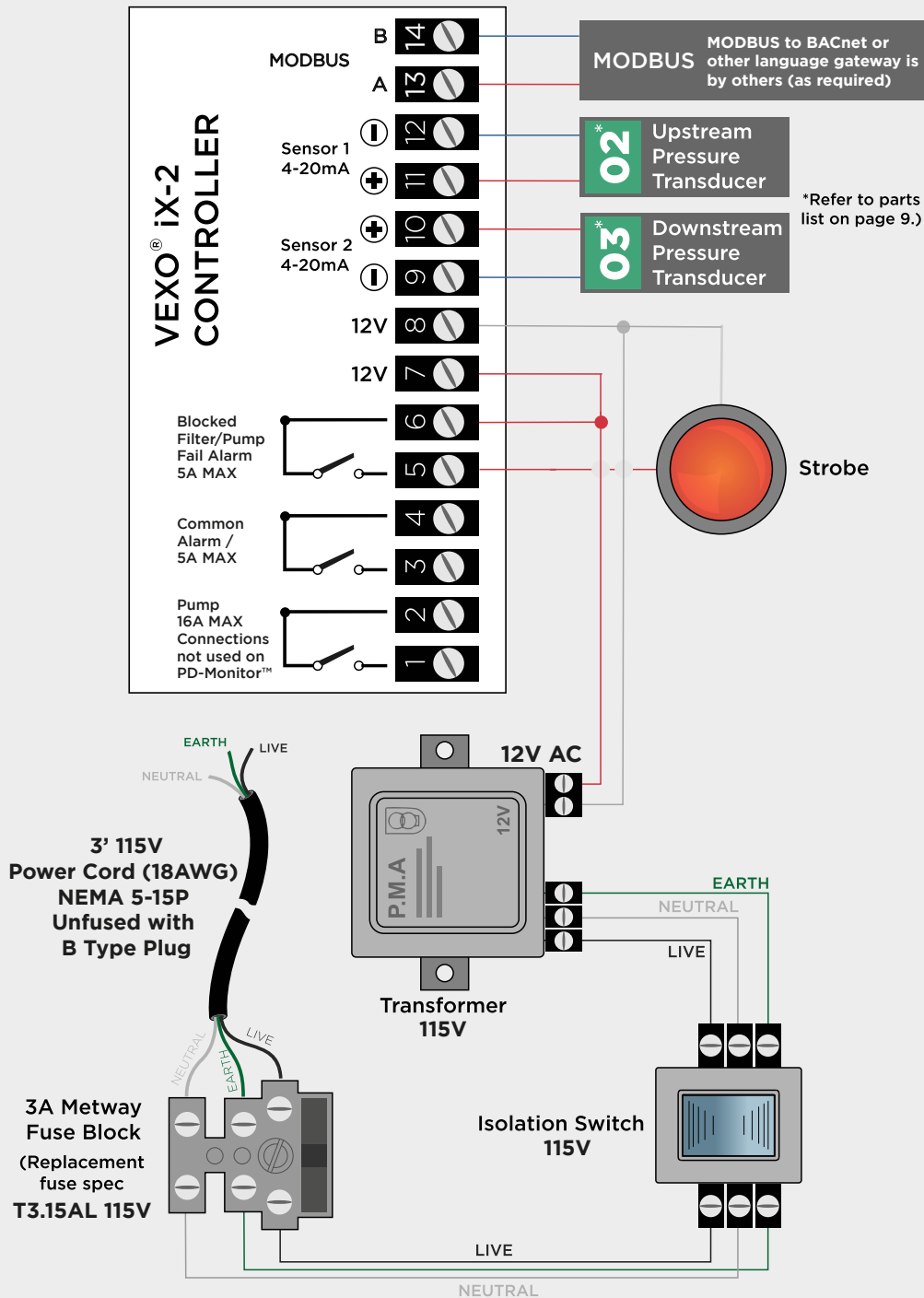
It is essential to ensure the environment that this equipment is installed in is safe to work in and is free from trip hazards.

Transducer Connections -



Electrical Connections & Wiring Diagram -

VEXO™ IX-2 CONTROLLER WIRING DIAGRAM



The provision of a power supply, (protective) ground wire connection, and line protection must be made according to local regulations and the applicable building codes. Please check the electrical ratings and requirements stated on the product label affixed to the equipment. (Red part numbers 02 and 03 above refer to the parts list on page 9 of this manual).

Commissioning -

WARNING: This equipment must only be used, maintained or serviced by trained, competent operatives. If in any doubt please do not touch this equipment.

1. GENERAL

The VEXO™ PD-Monitor™ is a ‘Plug and Play’ unit. It is supplied factory set with the Differential Pressure set to 6 PSI. Refer to setting parameters on page 15 for changing the differential pressure.

The operator should read this section prior to hand-over of the equipment from the installation operative to familiarize him/herself with the operating procedures of the VEXO™ iX-2 Controller and the VEXO™ PDMonitor™ unit as a whole.

The Control System is based around a VEXO™ iX-2 Controller complete with I/O modules. A Display Panel is fitted to the VEXO™ iX-2 Controller to allow adjustment of the parameters.

In the event of a power failure, the VEXO™ iX-2 Controller will return to its last set operating mode once power has been restored.

Ensure the power supply to the VEXO™ PD-Monitor™ is 115V ~ 1 N PE 60Hz via a suitable Fused Spur.

The power supply to the VEXO™ PD-Monitor™ is provided from either a dedicated 115V power supply or the system pump electrical supply that the VEXO™ PD-Monitor™ monitoring. Therefore, the VEXO™ PD-Monitor™ will only be activated when the main system pump is running and active. The power supply is then connected to the main VEXO™ PD-Monitor™ Mains Isolation Switch, refer to the unit schematic, item 10 on page 9 (Schematic) of this document. The power is then distributed throughout the VEXO™ PD-Monitor™ via an internal wiring loom.

2. VEXO™ PD-MONITOR™ SPECIFICATION:

- 2No ~ 4-20 milliamp pressure transducers monitor the pressure differential on the inlet and outlet of the X-POT side stream filter or the item of plant e.g. plate heat exchanger, pump set etc.
- The VEXO™ iX-2 12-Volt Controller, with built-in buzzer, is located in the housing box with a strobe and electrical isolation switch on the front.
- Power is supplied to the VEXO™ iX-2 controller via an internal 12-volt transformer which receives its power from the 115V mains supply or via a dedicated spur from the system pump which is serving the system the PD-Monitor™ is applied to.
- The VEXO™ iX-2 Controller has 2 relays within:
 - 5-amp alarm relay for blocked filter alarm and sensor fail.
 - 5-amp common alarm relay which can be configured to normally open or closed and is to be used for a signal contact for a BMS system.
- When energized the VEXO™ iX-2 controller will start and display “Run”, the pressure transducers upstream and down-stream of the X-POT or plant to be monitored will monitor the pressure differential across the X-POT or other plant item etc.

- When the VEXO™ iX-2 controller senses the pre-set pressure differential has been achieved, the controller will display and scroll “Blocked Filter”. The VEXO™ iX-2 will then power the strobe light and internal buzzer.
- To observe the pressure readings from the two pressure transducers:
- Press the “up” arrow (button 1) for sensor 1 up-stream pressure transducer reading.
- Press the “down” arrow (button 2) for sensor 2 down-stream pressure transducer.

3. ENABLE MONITORING

It is important to visually inspect the electrical connections, components and conduit serving the VEXO™ PD-Monitor™ unit before commencement of the operation of the unit.

It is important to visually inspect the VEXO™ PD-Monitor™ unit hydronic connections before commencement of the operation of the unit to confirm the following:

- The integrity of all fittings and pipework connecting the heating / chilled system to the VEXO™ PD-Monitor™ - ensure that there are no leaks.
- When the system to be monitored has been filled and pressurized - check the hydraulic integrity of all fittings.

4. ACTIVATION

The VEXO™ PD-Monitor™ can now be activated by pressing the Isolator Switch from the ‘Off’ position to the ‘On’ position. The VEXO™ iX-2 Controller will now scroll the following...

< Run >

VEXO™ PD-Monitor™ -

1. SETTING PARAMETERS

The Differential Pressure is factory set to 6 PSI. To reset the parameters (for example, the pressure differential) the following sequence needs to be followed on the VEXO™ PD-Monitor™:



- Press and hold “set” (button 4), for 5 secs to access the pressure differential parameter.
- The first digit will start to flash off and on.
- Using the up arrow (button 1) or down arrow (button 2) enter code ‘815” by pressing “set” (button 4) after each number has been assigned.
- When ‘815” has been achieved, press “set” (button 4) for 5 seconds.
- The current pressure differential setting will appear.

- The differential pressure can now be changed to between 1 PSI and 101 PSI.
- Using the up arrow (button 1) or down arrow (button 2) enter the new desired pressure differential parameter.
- Hold “set” (button 4) for 5 seconds, this will store the new setting and re-boot the VEXO™ PD-Monitor™. The new setting will be saved and the controller will return to the main screen.

2. SETTING PARAMETERS



3. ALARM CONDITIONS

- If the PD-Monitor™ detects pressure outside of set parameters during normal operation, fault condition will be initialised.
- In alarm conditions, the internal buzzer will sound on the controller. This can be muted by pressing the mute (button 3).
- In alarm conditions, the strobe light will function.
- The VEXO™ iX-2 controller can be powered down by pressing electrical isolation switch on the fascia to off.
- Once the alarm conditions and actions have been rectified, the controller can be reset by re-powering the unit. To power up the unit, switch the electrical isolation switch on the fascia to ‘on’.
- Monitoring will resume.

4. FAULT MESSAGES

The VEXO™ PD-Monitor™ display will scroll a fault message as below if a fault is detected. The VEXO™ PD-Monitor™ will also initiate the visual strobe and sounder to alert the user.

If connected to a BMS, the VEXO™ PD-Monitor™ will alert the user with a “Common Fault” signal.

Fault Message	PD-Monitor™ Operation	Fault Message
Blocked Filter	Shutdown	Isolate the PD-Monitor™ and clean/change filters to allow PD-Monitor™ to operate
Sensor 1 Fail	Shutdown	Call technician to check connections and replacement of the pressure transducer
Sensor 2 Fail	Shutdown	Call technician to check connections and replacement of the pressure transducer
Pump Fail	Shutdown	(PD Monitor Only) Press and hold “set” (button 4), for 5 secs to access the parameter menu.

Using the up arrow (Button 1) or down arrow (Button 2) enter code “815” by pressing “Set” (Button 4) after each number has been assigned.

Press ‘Up arrow’ (Button 1) & ‘Set’ (Button 4) to cycle through parameters.









Cycle through until “P4” is shown (Pump Sense)

Depress ‘Set’ (Button 4) and use the up/down arrows to change “Y” to “N” (This deactivates Pump Sense Mode).

Hold ‘Set’ (Button 4) for 5 seconds, this will store the new setting and re-boot the VEXO™ PD-Monitor™. The new setting will be saved and the controller will return to the main screen.

VEXO™ PD-Monitor™ Monitoring -

Volt-free contacts are provided for the following conditions. The contacts are rated 5 amp, 115V maximum.

<p>Filter On - VEXO™ PD-Monitor™ will scroll “Run” during normal operation.</p> <p>The screen scrolls: </p>	
<p>VEXO™ PD-Monitor™ will scroll DP alarm as per message set up option i.e “Blocked Filter” if a filter is blocked. (Filter Blocked, Clean/Replace Filters)</p> <p>The screen scrolls: </p>	
<p>VEXO™ PD-Monitor™ will scroll “Sensor 1 Fail” in the event of an upstream pressure transducer failure (Upstream Pressure Transducer Failure).</p> <p>The screen scrolls: </p>	
<p>VEXO™ PD-Monitor™ will scroll “Sensor 2 Fail” in the event of a downstream pressure transducer failure (Downstream Pressure Transducer Failure).</p> <p>The screen scrolls: </p>	

VE XO™ iX-2 Controller Parameters -

PD-MONITOR Controller Parameters

No.	Parameter	Default	Range
0	Pressure Differential	6 PSI	0 - 14.5 PSI
1	Alarm Relay Contacts	0	0 = N/O 1 = N/C
2	Sensor Minimum Pressure	0 PSI	0 - 435 PSI
3	Sensor Maximum Pressure	435 PSI	0 - 435 PSI
4	Current Sense	N	Y/N
5	Bar - PSI	PSI	Bar/PSI
6	Buzzer Enable	Y	Y/N
7	Pressure Differential Message	1	1. Blocked Filter 2. High DP on PHX - Service Now 3. High DP on Coil - Service Now 4. High DP on Strainer - Service Now 5. High DP - Service required
8	ID Number	-	-
9	Pump Hours	-	-
10	Alarm Count	-	-

Electrical Checks & Inspection -



To stop electrical equipment (PD-Monitor™), shut off power to the main control unit by pressing the Mains ON/OFF Power Switch (6) to the OFF position. The power supply must remain off for the entire duration of the check/inspection.

It is forbidden to alter or use non-original components or replacement parts without written authorization. Such acts may result in serious personal injury and endanger operational safety. They will also render any claim for damages against product liability void.

Electrical Checks & Inspection -



This equipment must only be used, maintained or serviced by trained, competent operatives. If in any doubt please do not touch this equipment.

Please contact VEXO™ or your reseller for additional advice, information and guidance.

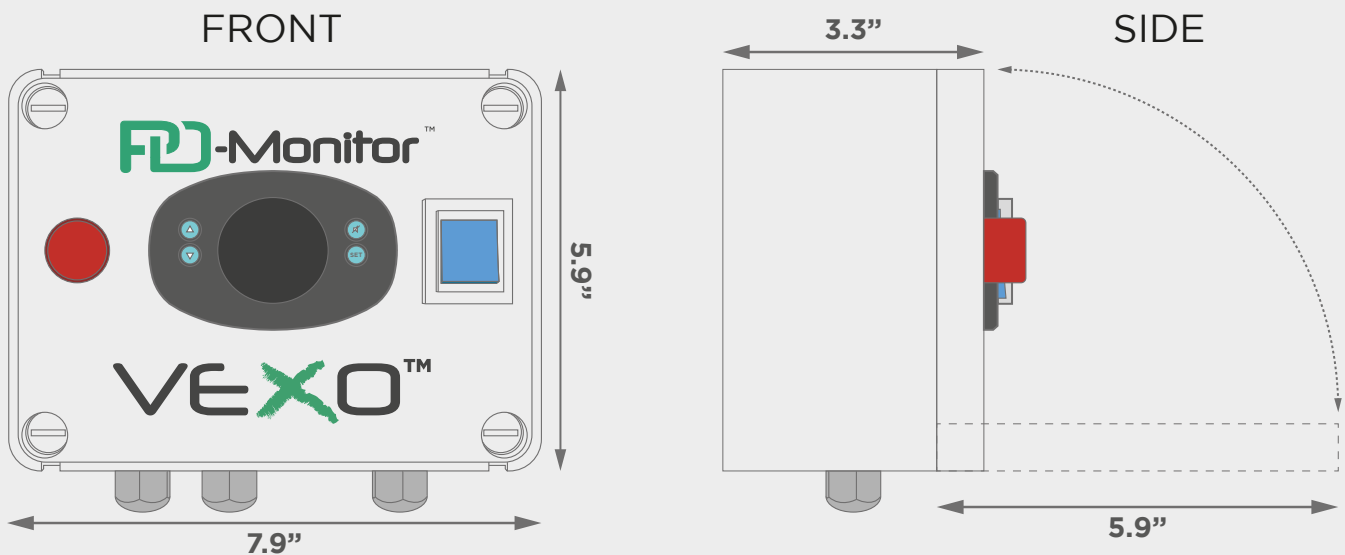
At the end of the lifespan, or at the planned decommissioning of the equipment, please ensure:

- that the PD Monitor is separated from the power supply.
- that the hydraulic system connections are closed off and isolated.

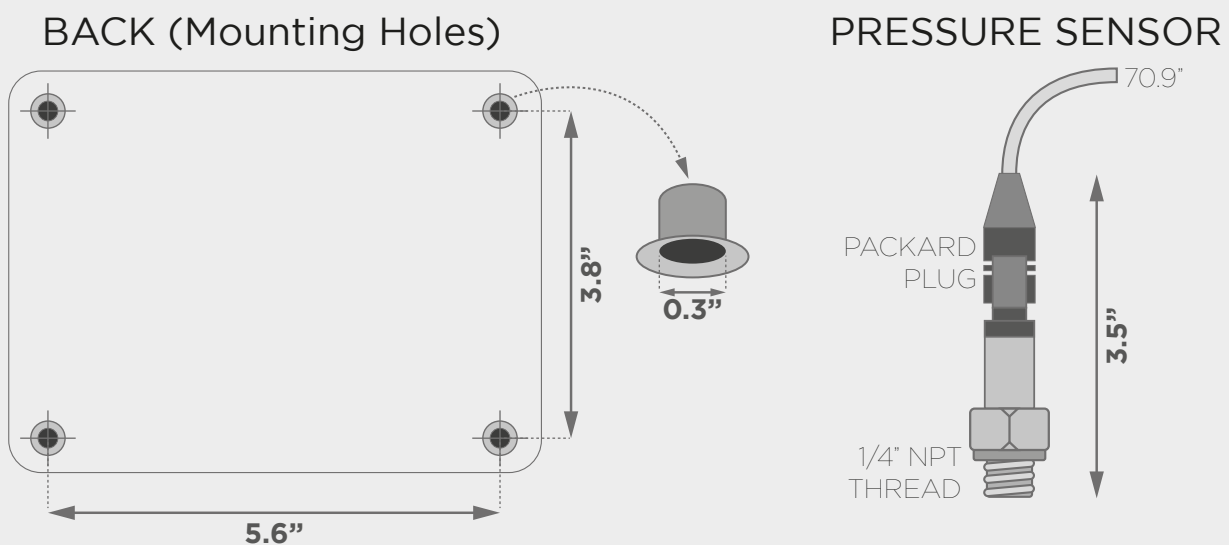
Caution: Water areas should first be vented and then emptied. This water may be conditioned, contain anti-freeze or other substances and, as such, must be disposed of in accordance with the local legislative requirements.

The destination of and further processing of the construction components should be carried out in agreement with the relevant waste management service provider.

General Access -



Leave at least 3.9" free space in all directions to ensure sufficient access and 7.9" from the front of the unit to enable unhindered opening of the front service panel.



VEEXO™

Declaration of Conformity

Manufacturer	Factor
Vexo International (UK) Ltd	Skidmore
6 The Granary Building, Millow Hall Farm, Millow, Biggleswade, Bedfordshire SG18 8RH. (UK)	1875 Dewey Avenue Benton Harbor, MI 49022 (USA)

<p>Range Name: PD-Monitor</p> <p>Operating Conditions 434 PSI Maximum Working Pressure (fluid) 40°F Minimum Working Temperature (fluid) - 212°F Maximum Working Temperature (fluid) 41°F Minimum Ambient Installation Temperature - 113°F Maximum Ambient Installation Temperature</p> <p>IP54 Protection Rating</p> <p>Additional Information All appropriate components bear the CE Mark prior to assembly, and are bound by their individual applicable directives including but not limited to:</p> <p>Low Voltage Directive 2014/35/EU IEC 61010-1:2010 + A1:2019 EN 61010-1:2010 + A1:2019</p> <p>Electromagnetic Compatibility Directive 2004/108/EC</p>

For and on behalf of Vexo International (UK) Limited



Darren Wilkinson, Managing Director

Vexo International (UK) Ltd. 6 The Granary Building, Millow Hall Farm, Millow, Biggleswade, Bedfordshire SG18 8RH. United Kingdom
 T: +44 1767 500 150. Registered in England & Wales No: 072 05096

Service History -

WARNING!

ALWAYS WEAR APPROPRIATE PPE WHEN OPERATING THE VEXO PD-MONITOR



INSTALLATION TO BE CARRIED OUT BY QUALIFIED/EXPERIENCED TECHNICIANS ONLY

INSTALLED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

SERVICED BY:.....
 DATE:
 NOTES:.....

VEXO[®]

www.VEXOint.com

technical@VEXOint.com

+1 (800) 917-6735

PROTECTING NATURE

- IS OUR -

SECOND NATURE

X-POT & PD-Monitor are registered trade marks of VEXO International (UK) Ltd.