

HIT-NOT® PROXIMITY DETECTION



The Most Precise Detection System

BEST PRACTICES FOR THE PERSONAL ALARM DEVICE (PAD) OF THE HIT-NOT® SYSTEM

Companies will need to incorporate procedures when establishing the HIT-NOT® System in their facility. The procedures need to include all employees assigned to use the product, employees not assigned but who may occasionally use the product, and vendors/guests who will go into an area using the HIT-NOT® System. Written documentation and an explanation of the procedures should be available to all who wear the product and signatures obtained indicating a check has been conducted. Signs designating HIT-NOT® areas need to be clearly posted in the facility. Companies may want to consider incorporating HIT-NOT® procedures as a part of their certification process for plant visitation. Basic checks for the Personal Alarm Device (PAD) should be conducted by all personnel assigned with the product(s). The checks are necessary to indicate to the user if the PAD is in working order at the time of the check. It is recommended that a PAD Test Device be purchased for the sole purpose of checking the PADs.

PAD Checks can be divided into 2 categories: Daily and Routine. The purpose of the daily check is to confirm power to the product, and sound and light for the alerts. The Routine check assesses the 3 dimensions of the PAD. The chart below specifies the Daily Check procedure on the PAD:

PAD-Daily Check

<i>Action</i>	<i>Procedure</i>
<i>Check Charger containing PAD</i>	Look for a solid blue light on the PAD to signify full charge. Flashing blue light shows the PAD is not fully charged.
<i>Pull PAD off Charger</i>	Listen for 1-2 second sound to indicate the computer chip is working. Orange light on the PAD will also come on.
<i>Look at indicator light while wearing PAD</i>	Orange LED blinks every 15 seconds to show battery voltage and computer chip is working. No sound is heard.
<i>Hear/see double beeps</i>	PAD is in Low Battery Warning! PAD will not indicate Warning or Danger zones!! Put on charger immediately! If the wearer pulls the PAD off the charger (Blue light) and gets the low battery warning within that shift, a new battery should be installed. *Make sure the PAD is connected to the charger over the weekend and holidays. Only use an approved <u>protected</u> Lithium Ion replacement battery. * Contact HIT-NOT® for approved replacement battery list
<i>Put PAD on Charger</i>	Look for a flashing blue light on the PAD. If the light stays solid blue after a shift, the battery may need to be replaced. If the PAD was used 2 hours or less, the battery may be OK even though the charger light is solid blue. It may be helpful to note the amount of time the PAD has been off of the charger.
<i>Check PAD with a Generator</i>	Turn on a Generator on a Truck. PAD should sound 3 beeps for a Warning Zone and a continuous signal for Danger Zone. Check for sound and light on the PAD.

DO NOT CONDUCT PAD CHECKS NEAR ELECTRICAL PANELS, MONITORS, OR COPIERS.

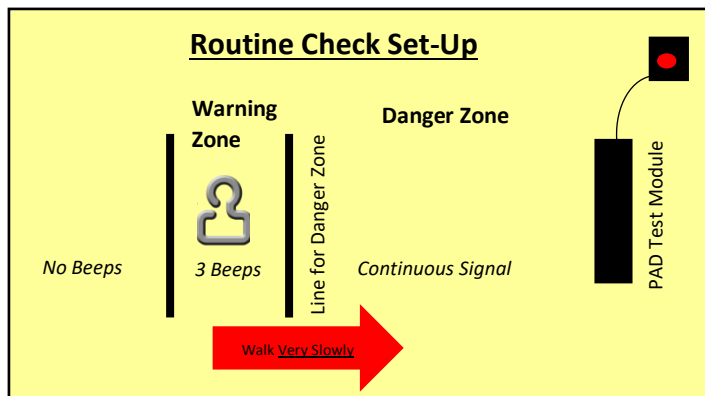
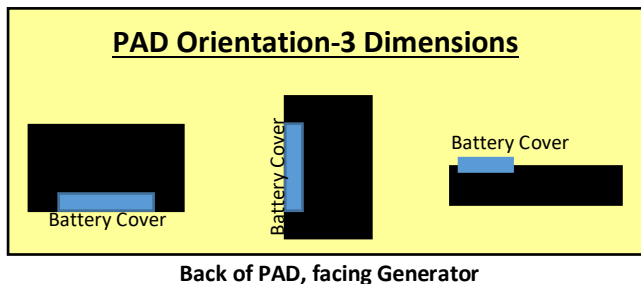
PAD-Routine Check

The purpose of the routine check is to confirm the response of the PAD to the magnetic field size using its 3 dimensional orientation. The interval of the check is determined by the company. The equipment needed is the PAD and PAD Test Module with a Warning Module.

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Turn the PAD Test Module (HN-PDTEST) up on end, mount to the wall, and turn the PWM pot counter clockwise to the desired field size. The shape of the magnetic field on end is circular.

- Using a PAD, determine the edge of the Danger Zone (continuous signal) and mark either on the floor or the wall for a visual reference.
- To check the 3 dimensions, stand in the warning zone, hold the PAD on the battery cover side, and walk very slowly to the Danger Zone. The signal should change to continuous at or near the Line for Danger Zone.
- Go back into the Warning Zone and turn the PAD for the 2nd dimension and walk very slowly to the line to note the change of the signal for Danger Zone.
- Turn the PAD for the 3rd dimension and repeat the process.
- If one dimension is significantly shorter than the other 2 dimensions (shorter by 20-25%), the PAD will need to be assessed by HIT-NOT®.
- Do not conduct PAD checks near electrical panels, monitors, or copiers.
- See below for the 3 ways to hold the PAD to conduct the test (hold on the battery cover side) and an example of a testing area.



Additional Resources

Integrated Checkout Station

The Check Out Station can provide additional information concerning the PAD. The self-contained System checks the voltage, Warning/Danger, and field size in 3 dimensions of the PAD.

PAD – Operation Check

Procedure

Ease of Use

The PAD Checkout Station uses a simple Green Light / Red Light arrangement for Pass / Fail, where Green means Pass, Red means Fail. To operate the PAD Checkout Station, drop the PAD into the slot, and within around 10 seconds, it will perform all function tests.

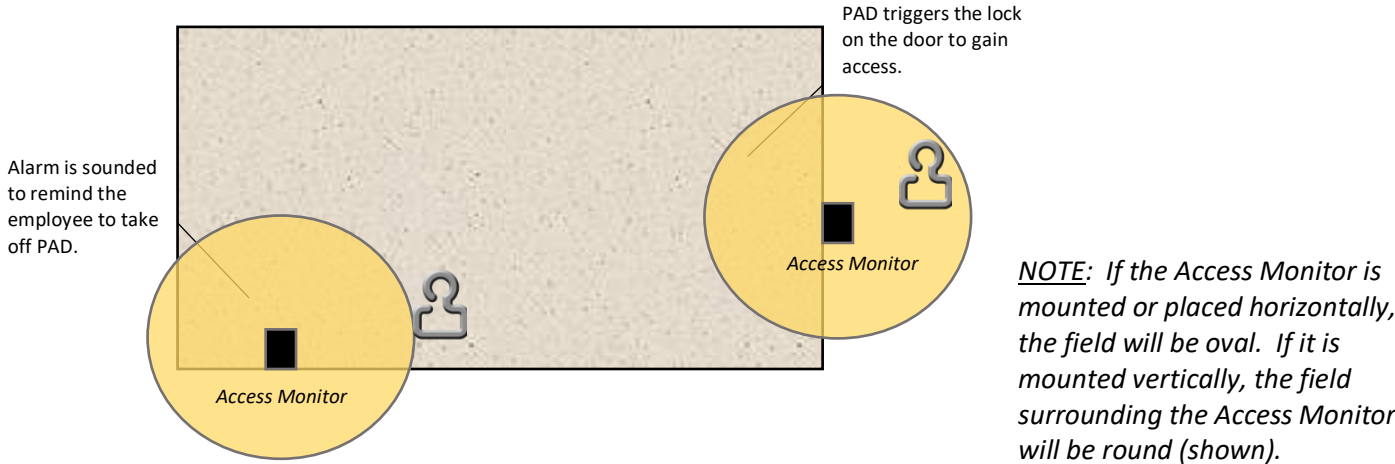
<i>Voltage</i>	PAD voltage for use for a shift should range from 3.8-4.2Vdc. The Checkout Station will not pass units with battery voltages below 3.5Vdc.
<i>Check Warning/Danger in 3 Dimensions</i>	Operational status checks of the PAD include verifying Warning / Danger Zones in all three dimensions, as well as the battery charge requirements stated above.
<i>Verify LED and Sound Level</i>	<i>The PAD Checkout Station also verifies that the LED light on the PAD is functioning, as well as the correct audible level of the sounder.</i>

Access Monitor

The Access Monitor can be used to check the PAD, sound an alarm if the employee is leaving after their shift with a PAD, or trigger the lock on a door to gain access. See the procedures below:

<i>PAD Alternatives</i>	<i>Procedure</i>
<i>Check a PAD</i>	Mount Access Monitor on a wall with a Light Only Warning Module. The light will come on when the PAD approaches. The PAD will also alarm at the outer marker. The 3 dimensions can be checked with a mark on the floor or wall at the point where the light should come on. Use the procedure on the previous page in the PAD Routine Check.
<i>Monitors PAD Removal</i>	An Access Monitor can be mounted near an exit door to remind employees to remove the PAD and put it on the charger. The alarm will sound as the employee approaches the exit door.
<i>Trigger Access to an Area</i>	If there is an area where only employees with a PAD can enter, place an Access Monitor at the entrance to the area. The PAD will trigger the lock on the door for the employee to access.

DO NOT CONDUCT PAD CHECKS NEAR ELECTRICAL PANELS, MONITORS, OR COPIERS.



IMPORTANT-READ CAREFULLY: BY AND INSTALLING AND USING THE HIT-NOT® SYSTEM, YOU ACKNOWLEDGE AND AGREE TO BE CONTRACTUALLY BOUND BY THESE WARRANTY TERMS AND CONDITIONS. IF ANY OF THE TERMS OF USE ARE NOT ACCEPTABLE TO YOU, DO NOT INSTALL OR USE THE HIT-NOT® SYSTEM.

THE HIT-NOT® SYSTEM IS SIMPLY A TOOL TO BE USED TO ASSIST YOU IN SAFELY OPERATING HEAVY EQUIPMENT. THE HIT-NOT® SYSTEM IS NOT INTENDED AS A SUBSTITUTE FOR, NOR DOES IT REPLACE, SAFE PRACTICES IN OPERATING HEAVY EQUIPMENT. YOUR USE OF THE HIT-NOT® SYSTEM IS SOLELY AT YOUR OWN INDEPENDENT DISCRETION AND RISK. THE HIT-NOT® SYSTEM IS NOT GUARANTEED TO PREVENT ACCIDENTS.

I. ACCEPTANCE AND DEFINITIONS.

(A) Acceptance of Terms. These Warranty Terms and Conditions (these “Terms”) are a legal agreement between You, as a purchaser and end user of the System and Frederick Energy Products, LLC. By installing the System or using the System in any way, you are (1) agreeing to be bound by these Terms. IF YOU DO NOT AGREE WITH ALL THESE TERMS, DO NOT USE OR INSTALL THE SYSTEM. YOU MUST RETURN THE SYSTEM TO THE DEALER FROM WHICH YOU PURCHASED THE SYSTEM, IN ACCORDANCE WITH THE DEALER’S POLICIES. This Agreement constitutes the entire and only agreement between FEP and You and supersedes all prior or contemporaneous agreements, representations, warranties and understandings with respect to the System, and the subject matter of this Agreement.

(B) Definitions. In this Agreement, “You” and “Your” refer to You as the user of the System. “FEP” “we,” “us” and “our” refer to Frederick Energy Products, LLC and our successors, partners, affiliates, subsidiaries and assigns. “System” refers to the Hit-Not® System purchased by You. “Terms” refers, collectively, to these Warranty Terms and Conditions.

II. LIMITED WARRANTIES; DISCLAIMER.

(A) Limited Warranty. FEP hereby warrants against: (1) defects in the System, either in workmanship or material, and (2) the failure of the System to conform to FEP’s written specifications, for a period of one (1) year after date of delivery to You, in each case; provided that such System has been under proper and normal use at all times during such period. All warranty claims under these Terms must be submitted through the Dealer from which you purchased the System. FEP’s liability is restricted to the replacement or repair of the defective or nonconforming parts alone and does not include any installation, labor, or expense involved, or other contingent liability. Liability for any components manufactured by third parties but incorporated into FEP Products to be furnished by FEP, shall be limited to the guarantee or liability to FEP of the manufacturer or supplier of such components. FEP is not liable for damages resulting from the use or misuse of the FEP Products.

(B) Disclaimers. EXCEPT AS EXPRESSLY SET FORTH ABOVE: (1) NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, PROVIDED BY OR THROUGH FEP, ANY DEALER OR DISTRIBUTOR, OR ANY THIRD PARTY SHALL IMPLY THE CREATION OF ANY REPRESENTATION OR WARRANTY OF ANY KIND WHATSOEVER BY FEP; (2) THE SYSTEM IS PROVIDED “AS IS” AND WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS, STATUTORY OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE; (3) FEP DOES NOT REPRESENT OR WARRANT THAT THE SYSTEM WILL BE FUNCTIONAL OR DEFECT-FREE, OR THAT DEFECTS WILL BE CORRECTED; AND (4) FEP HEREBY DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY FOR THE IMPROPER USE OF THE SYSTEM OR FOR THE INCORRECT OR IMPROPER INSTALLATION OF THE SYSTEM. SOME STATES OR OTHER JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU. UNDER NO CIRCUMSTANCES WILL FEP BE LIABLE FOR ANY LOSS OR DAMAGE CAUSED BY YOUR USE OF THE SYSTEM. USE OF THE SYSTEM IS AT YOUR SOLE RISK.

III. INDEMNIFICATION; RELEASE; LIMITATION OF LIABILITY.

(A) Indemnification. You agree to indemnify and hold FEP, any and all parent, subsidiary, and affiliate organizations, and their respective officers, directors, agents, shareholders, members, managers, advisors, consultants, employees, successors and assigns (collectively, the “Protected Parties”) harmless from and against all losses, costs, liabilities, expenses (including reasonable attorneys’ fees and expenses), claims, demands, and damages, actual and consequential, of every kind and nature, known and unknown, suspected and unsuspected, disclosed and undisclosed (collectively, “Losses”), that are in any way due to or arising out of Your use of the System, unless caused by the gross negligence or willful misconduct of FEP. FEP reserves the right, at Your expense, to assume the exclusive defense and control of any matter for which You are required to indemnify any of the Protected Parties, and You agree to cooperate with FEP’s defense of such claims. FEP will use reasonable efforts to notify You of any such claim, action, or proceeding which is subject to this indemnification upon FEP becoming aware of it.

(B) Limitation of Liabilities. IN NO EVENT SHALL FEP, ITS LICENSORS, SUPPLIERS, CONTENT PROVIDERS OR THEIR RESPECTIVE PARENTS, SUBSIDIARIES, AFFILIATES, OFFICERS, DIRECTORS, SHAREHOLDERS, ADVISORS, CONSULTANTS, EMPLOYEES, SUCCESSORS OR ASSIGNS, BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING BUT NOT LIMITED TO LOSS OF BUSINESS, PROFITS, USE, REVENUE OR OTHER ECONOMIC ADVANTAGE), ARISING OUT OF OR IN CONNECTION WITH THE SYSTEM OR THESE TERMS BASED ON ANY THEORY, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE LIMITATION OF DAMAGES SET FORTH ABOVE IS A FUNDAMENTAL ELEMENT OF THE BASIS OF THE BARGAIN BETWEEN US AND YOU. THE SYSTEM WOULD NOT BE PROVIDED FOR SALE TO YOU WITHOUT SUCH LIMITATIONS. IN NO EVENT WILL OUR LIABILITY, OR THE LIABILITY OF OUR LICENSORS, AND OUR RESPECTIVE PARENTS, AFFILIATES, SUBSIDIARIES, OFFICERS, DIRECTORS, SHAREHOLDERS, EMPLOYEES, ADVISORS, CONSULTANTS, SUCCESSORS OR ASSIGNS, TO YOU OR ANY THIRD PARTIES IN ANY CIRCUMSTANCE EXCEED ONE HUNDRED DOLLARS (US \$100.00). SOME STATES OR OTHER JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

IV. CHOICE OF LAW; DISPUTE RESOLUTION. The Agreement shall be governed by, and construed in accordance with the laws of the State of Alabama, without regard to its conflicts of law provisions. In the event of any dispute, claim, question or disagreement (“Claim”) between You and FEP arising from or relating to Your use of the System, You and FEP will attempt, in good faith, to resolve any Claim within thirty (30) days after written notice of the Claim. Any Claim not so resolved shall be finally settled by binding arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules, using the Expedited Procedures. Judgment on the award rendered by the arbitrator(s) may be entered in any court of competent jurisdiction. The arbitrator shall be an individual generally skilled in the legal and business aspects of the subject matter of this Agreement. The arbitrator shall have no

authority to impose penalties or award punitive damages. The arbitration shall take place in Madison County, Alabama, and the arbitrator shall apply the law of the State of Alabama and applicable rules of evidence. If all parties and the arbitrator agree, arbitration may take place by telephone or by written communication. Unless the arbitrator otherwise directs, the parties, their representatives, other participants, and the arbitrator shall hold the existence, content, and result of the arbitration in confidence. No action, regardless of form, related to the obligations of the parties under this Agreement may be brought by either party against the other more than one (1) year after the cause of action has accrued. In any proceeding to enforce this Agreement, the prevailing party will have the right, in addition to its other rights hereunder, to recover its reasonable litigation costs and reasonable attorneys' fees.

Nothing in this Section shall preclude any party from seeking equitable relief from a court of competent jurisdiction or exercising any self-help remedies, whether before, during or after the pendency of any arbitration proceeding. The parties agree that taking any such action does not waive any right that either party has to demand arbitration at any time with respect to subsequent or amended disputes claimed or filed against a party after commencement of litigation. BY AGREEING TO THESE TERMS AND CONDITIONS, ALL PARTIES AGREE TO WAIVE ANY RIGHTS TO A JURY OR COURT TRIAL. If any provision of this dispute resolution procedure is held invalid or unenforceable, the remaining provisions shall remain in full force and shall not be affected by the invalidity of any other provision.

V. MISCELLANEOUS. These Terms constitute the complete and exclusive statement of the agreement between You and us. It supersedes any and all prior or contemporaneous agreement, oral or written, and any other communications, representations, warranties and understanding relating to the subject matter hereof. If there is a conflict between an oral or written representation of any FEP employee or agent, or any Dealer or Distributor employee or agent, and these Terms, these Terms will prevail. These Terms will prevail over other rules and policies on the System. Our failure to enforce any provision of these terms shall not be deemed either a waiver of such provision or a waiver of the right to enforce such provision. If any provision of these Terms is held by an arbitrator or court of competent jurisdiction to be contrary to law, then such provision shall be construed, as nearly as possible, to reflect the intentions of the parties and the other provisions shall remain in full force and effect. The provision of these Terms which, by their terms should survive termination or expiration of these Terms, shall survive the termination or expiration hereof. FEP may assign this Agreement to any other entity of its choosing, with or without notice to You. You may not assign these Terms to any other party without the prior written consent of FEP. FEP shall not be deemed to have waived any of its rights or remedies unless such waiver is in writing and signed by FEP. No delay or omission on the part of FEP in exercising any rights or remedies shall operate as a waiver of such rights or remedies or any other rights or remedies on future occasions. The section titles in these Terms are solely used for the convenience of the parties and have no legal or contractual significance.

HNE20355 Best Practices, PAD