POTTER

The Symbol of Protection

®

POTTER
The Symbol of Protection

For Technical Support:
(866) 956-1211

SCAN FOR
RESOURCES

- POWER
- SILENCED
- TROUBLE
- EXCESSIVE LEAK RATE
- MAINTENANCE
- TROUBLE

CLEAR
LEAK

1	2	3
4	5	6
7	8	9
ENTER	0	ESC

*intelli*check™ | Advanced Leak Rate Monitor

POTTER
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St. Louis, Missouri
Model Number

SIGNALING
c UL us
LISTED
FIRE ALARM
EQUIPMENT
26/80

WTX−M
(WIRELESS TRANSMITTER - MONITORED)

POWER   COIL
REMOVED   REL CIRCUIT
ENERGIZED

PRESS TO RESET

CoilKeeper™ | Coil Supervisory
Switch (CSS)

OPERATING INSTRUCTIONS
Red LED must be out before placing solenoid coil on valve.
Solenoid coil must be on valve before pressing Reset.

Fire Sprinkler New Product Innovations

ASSEMBLED
IN THE USA

Potter: Innovation from the Beginning

For over 120 years, Potter Electric Signal Company has been a pioneer in developing products that protect property and life. This innovative approach began in 1898 when Charles E. Potter developed products that sent electronically coded signals to a central monitoring station. This allowed fire and police officials to be instantly dispatched to any fire or security emergency. By 1920, Potter was utilizing customized products and monitoring them with the latest telecommunications equipment. In a time when human initiative was the most valuable industrial commodity, Charles Potter was able to combine state-of-the-art equipment with a dedicated workforce to provide St. Louis with the best night watchmen service in the metropolitan area.

As the century continued, Potter's central station business became the basis for the development of sprinkler supervisory devices, switches for intrusion protection, vault and safe protection systems, and fire control panels.

Today, Potter continues to innovate by combining the latest technology in fire protection with the dedicated workforce for which we have been known for over one hundred years. With an unwavering dedication to our customers and products that are assembled in the USA, Potter looks to continue as the industry standard in both product innovation and service. We are "The Symbol of Protection."
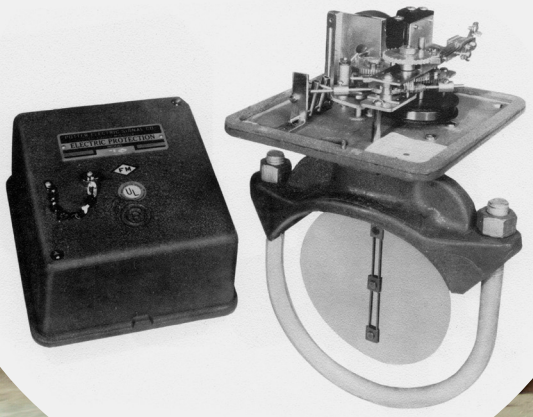
VANE TYPE FLOW TRANSMITTER

Designed & Assembled in the USA /

U.S. workers keep us going! We are proud to use union labor to build products at our main production facility in St. Louis, MO. With engineering teams located in Minnesota, Illinois, and Kentucky, Potter continues to provide the latest innovations direct from America's heartland.

SignaLink™ Bridge /

Wireless Supervisory System

The SignaLink Bridge can monitor any dry-contact switch such as tamper or flow switches and transmit their status wirelessly to any fire alarm panel. The SignaLink Bridge uses a wireless transmitter, installed with the switch being monitored, and a wireless receiver, installed with the fire alarm panel, to fully monitor the switch's state.

Common Questions

Q: Can a receiver be paired to multiple transmitters?

A: No. Each transmitter must be paired to a single receiver. If repeaters are needed to extend coverage, repeaters must be also paired to that receiver.

Q: How many repeaters can be used to extend the range of the SignaLink Bridge?

A: A maximum of 3 repeaters may be used with a transmitter/receiver pair.

Q: What is the range of the SignaLink Bridge?

A: Maximum clear line-of-sight communication is approximately 800 feet between devices. Nearby metal objects can greatly reduce signal strength.

Q: Can the receiver connect to any fire panel or releasing panel?

A: Yes. The receiver output is a dry contact, there is no panel compatibility listing requirement.

Ordering Information

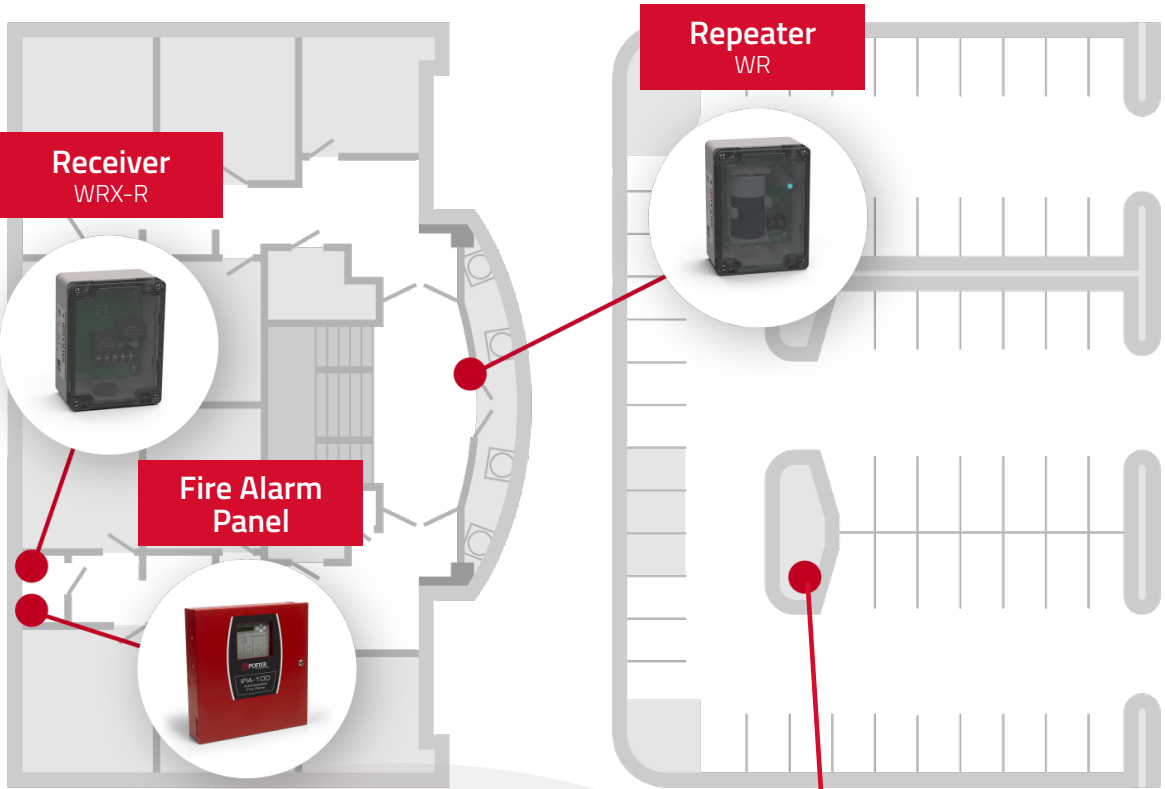| Model	Description	Part #
WSS	SignaLink Wireless Kit (WRX-R + WTX-M)	3008040
WRX-R	SignaLink Wireless Receiver	3008020
WTX-M	SignaLink Wireless Transmitter	3008001
WR	SignaLink Wireless Repeater	3008030
WST	SignaLink Wireless Setup Tool	3998000

✔ **Compatible with any dry-contact switch**

✔ **Compatible with any fire alarm panel**

✔ **Eliminates trenching parking lots**

✔ **Ideal for temporary systems during construction**

✔ **Supervises wiring to connected devices**

✔ **2.4 GHz band and repeaters for long range operation**

✔ **Setup Tool for assisting install and troubleshooting**

For more information, visit:

pttr.us/SignaLinkBridge

Repeater
WR

Receiver
WRX-R

Fire Alarm Panel

Transmitter
WTX-M

CoilKeeper™ /

Solenoid Supervisory Switch

Potter's CoilKeeper solenoid supervisory switch is designed to monitor the coil/actuator that operates the releasing solenoid used in preaction and deluge systems and to indicate if the coil is not properly installed on the solenoid.

Details

Part #   CoilKeeper Solenoid Supervisory Switch: 1010500
Listings   UL Listed, CE

Code Requirements

Satisfies NFPA 13-2019 requirement for Actuator Supervision (8.3.1.2.1).

> **8.3.1.2.1 Actuator Supervision.** Effective January 1, 2021, removal of an electric actuator from the preaction or deluge valve that it controls shall result in an audible and visual indication of system impairment at the system releasing control panel.[1]

Common Questions

Q: Does the CoilKeeper work with any releasing solenoid?
A: CoilKeeper has been tested by UL to be compatible with most releasing solenoids. See document 5401607 for the complete list of compatible solenoids.

Q: Can the CoilKeeper connect to any fire panel or releasing panel?
A: Yes. There is no panel compatibility listing requirement.

For more information, visit:

pttr.us/CoilKeeper

Valve not included   *Patents pending*

✔ **Provides confirmation of coil/actuator placement**

✔ **Provides visual indication of coil/actuator status**

✔ **Detects open or shorted coils**

✔ **Detects coils/actuators not installed on solenoid**

✔ **Mounts locally on solenoid or remotely**

Ordering Information

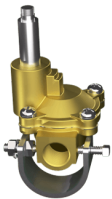| Model	Description	Part #
CoilKeeper	Solenoid Supervisory Switch	1010500

Operation

Coil Properly Installed

When the coil is properly installed, pressing reset on the CoilKeeper will clear any previous supervisory signals and the CoilKeeper will indicate a normal state.
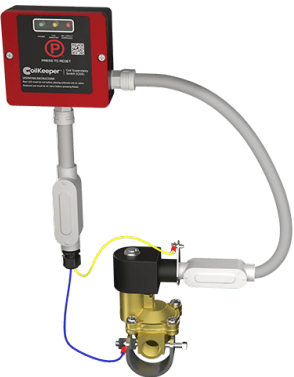
Coil Improperly Installed

If the coil is improperly installed, continuity or inductance tests will fail, resulting in a supervisory state. Ensure coil is properly installed on the solenoid body following the manufacturer's instructions to clear supervisory state.

Coil Missing

The CoilKeeper will also go into a supervisory state if the coil is completely removed. The CoilKeeper latches and requires the coil to be properly installed and CoilKeeper reset to clear the supervisory signal.

Remote Installation

In addition to direct installation onto the solenoid, the CoilKeeper can be remotely mounted wherever convenient. Wires attach to the included sense bracket and clamp to complete a circuit through the coil.

NAMD /

Nitrogen Air Maintenance Device

To keep supervisory nitrogen or air pressure at the correct level in dry and preaction sprinkler systems. Also used for the same purpose in the dry pilot line of a dry pilot actuated deluge valve.

Details

Part #   NAMD: 1119660

Listings   UL/cUL, CE

Environmental: 35°F – 140°F (1.6°C – 60°C) and up to 99% relative humidity

Inlet Connection: ½ Inch NPT Female 200psi (13.79 bar) Max

Installation Bulletin #: 5403713

Code Requirements: NFPA 13-2019 section 8.2.6.6 requires that each dry pipe system with an air compressor capable of supplying equal to or greater than 5.5 ft3/min (160 L/min) at 10 psi (0.7 bar) be provided with a listed, dedicated air maintenance device.

Common Questions:

Q: How does an Air Maintenance Device (AMD) work?

A: The AMD reduces the downstream pressure to the level required (provided by the valve manufacturer) and allows small amounts of air/nitrogen to enter the system through a 3/32" orifice as needed for small leaks. When the system activates, the sudden loss of air/nitrogen overcomes the AMD's ability to supply air/nitrogen through the small orifice and allows the valve to open.

Q: Where does the AMD get installed?

A: The AMD is installed between an air or nitrogen supply (which is at a higher pressure than the pressure needed for the system to properly operate) and the dry or preaction sprinkler system.

For more information, visit:

pttr.us/NAMD

✔ **Corrosion resistant all brass construction**
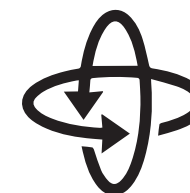
✔ **2" dial pressure gauge included**

✔ **Easily adjusted without tools**

Ordering Information

Model	Description	Part #
NAMD	Nitrogen Air Maintenance Device	1119660

Robust regulator that meets the UL 252 Standard for Compressed Gas Regulators is easy to adjust and precisely maintains pressure for dry-pipe/preaction fire sprinkler systems.

Can be installed in any 360° orientation to accommodate a number of installation applications.

All brass construction is corrosion resistant and long lasting.

Included custom, high-resolution gauge to ensure accuracy in setting the regulator to the needed maintenance pressure for normal operations.

IntelliCheck™ /

Advance Leak Rate Monitor

The IntelliCheck system can monitor any dry sprinkler system and supervisory gas supply to ensure the system and gas supply are performing optimally. The IntelliCheck can monitor leak rate, system pressure, compressor runtime, and ambient temperature. Additionally, the IntelliCheck can conduct NFPA 13 and NFPA 25 leak rate tests, fully automating the compliance testing process.

Details

Part #   IntelliCheck (LRM): 1119664

LRM Solenoid Kit: 0090241

Power Supply - LRM 24VDC 2A: 5270752

Common Questions

Q: How does the IntelliCheck measure leak rate?
A: The IntelliCheck uses a pressure transducer to measure changes in air or nitrogen pressure to calculate an accurate leak rate.

Q: Can the IntelliCheck monitor a system connected to a common gas source?
A: Yes. The IntelliCheck monitors supervisory gas leakage downstream from the system's air maintenance device.

Q: Can I use the IntelliCheck on a system with a nitrogen generator?
A: Yes. The IntelliCheck is the perfect complement to nitrogen generators and provides more detailed system information than most nitrogen generators.

Q: How does the IntelliCheck test for compliance with NFPA 13 and NFPA 25 leak rate requirements?
A: The IntelliCheck can be configured to test for NFPA 13 or 25 leak rates. The IntelliCheck automatically conducts the test as scheduled. Results can be displayed on the IntelliCheck display or via IntelliView™. Test frequency can be set by the user to automate compliance tests.

✔ **Automated NFPA 13 and NFPA 25 leak rate testing**

✔ **IntelliView™ compatible for remote monitoring via internet**

✔ **Monitors existing systems or new systems**

✔ **Monitors any individual or common supervisory gas source**

   ✔ **Nitrogen generators**
   ✔ **Air compressors**
   ✔ **Tank gas systems**

✔ **Assists in isolating system leaks**

Ordering Information

Model	Description	Part #
LRM	Leak Rate Monitor	1119664
LRM-SK	LRM Solenoid Kit	0090241
	Power Supply - LRM 24VDC 2A	5270752

For more information, visit:

pttr.us/IntelliCheck
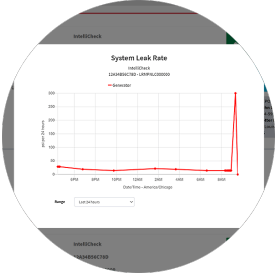

IntelliView™ Web Monitoring

With Potter's IntelliView Dashboard, you can connect and monitor your IntelliCheck Advanced Leak Rate Monitors from anywhere in the world. Simply connect the unit to your building's existing network and register at www.PotterIntelliView.com. Within minutes you will have access to system leak rate, pressure, compressor runtime, and much more!

Multiple buildings and IntelliView ready devices are supported allowing a property owner or building manager to monitor all of their connected systems from one location. System administrators can even register additional users to view system information.

Automated NFPA 13 and NFPA 25 leak rate testing

The IntelliCheck can be configured to test for NFPA 13 or 25 leak rates and automatically conducts the test as scheduled. Results can be displayed on the unit's display or through the IntelliView web dashboard. Test frequency can be set by the user to automate compliance tests.

Quantify Leak Rates

Potter's IntelliCheck quantifies leak rates and provides owners with data to make decisions about their system. Data is accessible on the IntelliCheck directly, or through rich graphs and reports via the IntelliView dashboard.

Accurate Leak Rate Monitoring

The IntelliCheck uses a pressure transducer to measure changes in air or nitrogen pressure to calculate leak rate. Along with Potter's proprietary algorithms in the embedded intelligent controller, the IntelliCheck uses these measurements to provide accurate data.

ⓅPOTTER

The Symbol of Protection

At Potter Electric Signal Company,

QUALITY is the first order of business. Since 1898, we have served the fire and security industries on a worldwide basis. Today, we manufacture a full line of Sprinkler Monitoring Devices and Corrosion Solutions with unmatched quality and dependability. At Potter, we supply our customers with products that provide real world solutions for their unique needs and strive to provide them unequaled service and technical support.

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ASSEMBLED IN THE USA

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