

Farenhyt

IFP-2000/RPS-2000
Scalable/Networkable
Intelligent Fire Alarm Systems



**SILENT
KNIGHT**

by Honeywell



Never Constrained by Convention

Contrary to conventional wisdom, Silent Knight's Farenhyt program is not merely about commercial fire alarm products. Instead, it's a unique offering that's been engineered around complete, integrated fire alarm solutions that are Safe...Simple...and Smart.

Farenhyt's difference is in its alternatives. End-to-end solutions that are known to not only provide power and control, but choice as well. From the top floor to the bottom line, Silent Knight continues to lead with innovative and feature-rich products, which are simultaneously affordable.

Silent Knight has always focused on functionality and flexibility, which is why Farenhyt products are routinely found in educational institutions, hospitals and health care facilities, commercial complexes, retail spaces and government buildings around the world. It's because Farenhyt tailors specific solutions to individual situations, which are simple to install and commission through what is essentially plug-and-play technology. And since they are scalable, cost-effective solutions, our products can be expanded as codes evolve, buildings grow and campuses develop.

Plus, the Farenhyt sales and service process is perhaps the easiest in the industry. Our national network of factory-trained Farenhyt Engineered Systems Distributors (ESD's) remain ready to provide competent installation and service. Our technical support staff has an average of a decade of experience with our products, installations and electronics and they're NICET (National Institute for Certification in Engineering Technologies) certified, as well. Twenty-four hour access to our website means that wiring diagrams, installation manuals and even programming software are always just a click away.

And every Farenhyt solution comes with Silent Knight dependability built right in, that just simply works right out of the box. Farenhyt products are designed, developed and manufactured by Silent Knight, and backed by Honeywell International, a \$38 billion diversified technology and manufacturing leader.

So Farenhyt fire alarm control products are different. They're dependable and proven alternatives combined with cutting edge technology, that also provide the power of a cost-effective choice. Which is why Farenhyt remains unconstrained by convention.



Safe...

The all-new IFP-2000 is an intelligent analog-addressable fire alarm control panel (FACP) designed for utmost flexibility and reliability. With support for System Sensor Intelligent Device Protocol (IDP) sensors, modules and accessory devices, the IFP-2000 is a scalable and feature-rich solution with pinpoint accuracy. It includes one, built-in signaling line circuit (SLC), which can support 159 IDP detectors and 159 IDP modules.

Additional SLC loops can be added using the 5815XL SLC expander to increase overall point capacity to a maximum of 636 points per panel. A complete array of IDP detectors and modules connect to the signaling line circuit, ensuring utmost flexibility to satisfy even the most demanding applications.

The IFP-2000 also supports a variety of additional devices, including RA-2000 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports) and an RPS-1000 intelligent power module.

It has eight on-board Flexput circuits that can be configured for auxiliary power, notification outputs or conventional smoke detector inputs (Class A or Class B). The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay and two programmable Form C relays. The firmware has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert and calibration trouble alert.

The Farenhyt IFP-2000/RPS-2000 is the most advanced solution ever offered by Silent Knight, which is well known for utmost dependability and solid, in-use performance. And, of course, there's a reason it's called "Silent Knight"...so you can rest assured in reduced false alarms and service calls.

The IFP-2000/RPS-2000 is 9th Edition UL Listed and FM Approved.

Specifications

Physical

Flush Mount Dim: 14.5"W x 24.75"H x 3.5"D
(36.8 W x 62.9 H x 8.73 D cm)

Overall Dimensions: 16"W x 26.4"H x 4.65"D
(40.6 W x 67 H x 11.8 D cm)

Weight: 28 lbs. (12.8 kg)

Color: Red

Environmental

Operating Temperature: 32°F – 120°F (0°C – 49°C)

Humidity: 10% – 93% non-condensing

Electrical

IFP-2000 AC: 120 VAC, 50/60 Hz, 5.0A

IFP-2000HV AC: 240 VAC, 50/60 Hz, 2.5A

Total Accessory Load: 9A @ 24 VDC power-limited

Standby Current: 290 mA

Alarm Current: 530 mA

Battery Charging Capacity: 17 to 55 AH

Battery Size: 18 AH max. allowed in control panel cabinet.

Larger capacity batteries can be housed in RBB or AB-55 accessory cabinet.

Flexput Circuits

Eight circuits that can be programmed individually as:

Notification Circuits: 3A per circuit @ 24 VDC, power-limited

Auxiliary Power Circuits: 3A per circuit @ 24 VDC,
power-limited

Initiation Circuit: 100 mA per circuit @ 24 VDC, power-limited

Indicator Lights

General Alarm (Red): On when in alarm

Supervisory (Yellow): Flashes on when a supervisory condition exists

System Troubles (Yellow): Flashes on when a trouble condition exists

System Silenced (Yellow): On when an alarm, trouble or supervisory condition has been silenced but not yet cleared

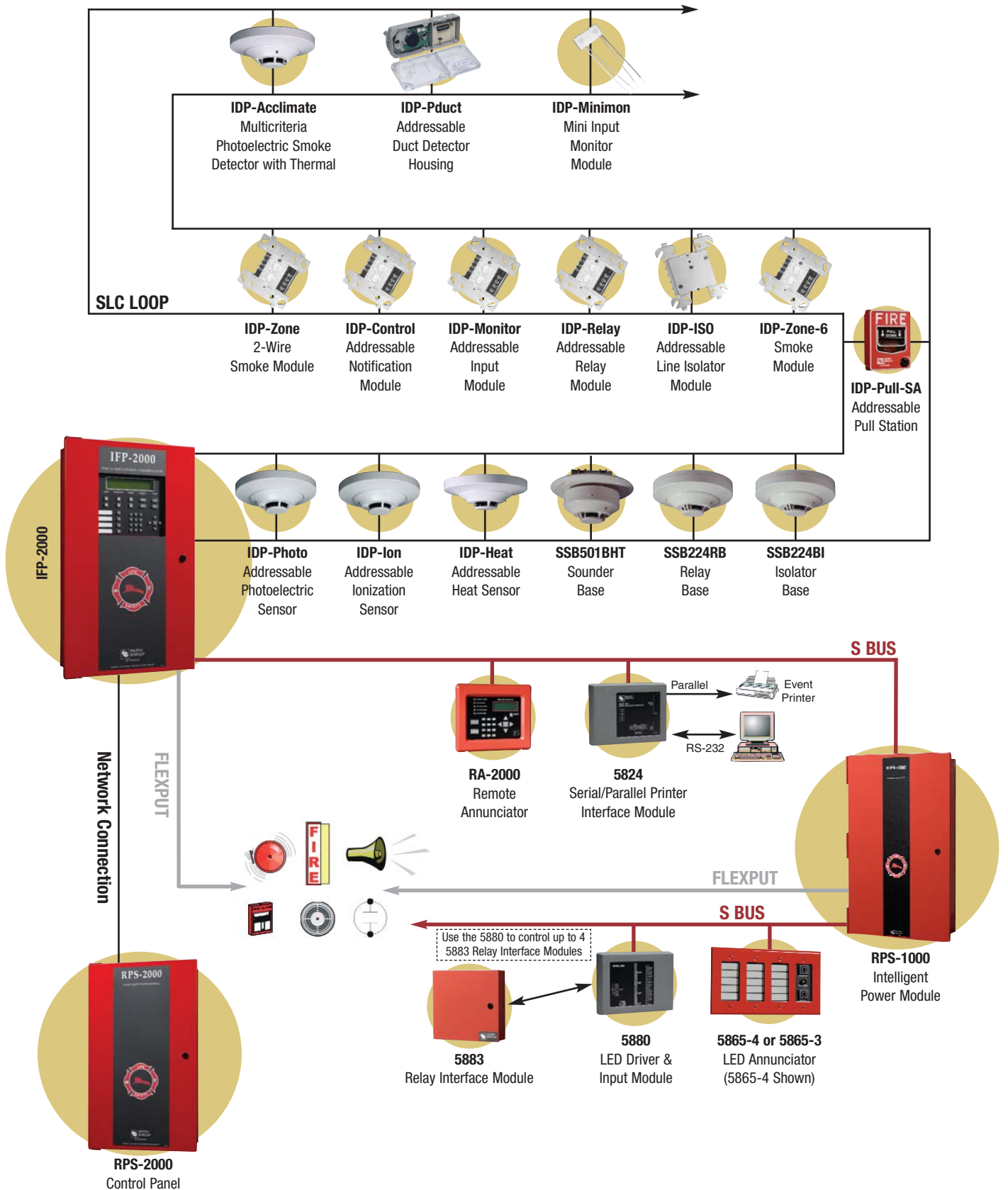
System Power (Green): Off for AC failure; On when power systems are normal

Telephone

Requirements: FCC Part 15 & Part 68 approved

Jack: RJ31X (two required)

IFP-2000 Fire Alarm Control Panel



Simple...

The IFP-2000 is the simple fire alarm solution for new construction, retrofits and future facility expansions.

No special wire, such as shielded or twisted pair, or installation strategies are required, so the IFP-2000 can often be installed using existing fire alarm system wiring. A full range of detectors, modules and power supplies are available, which means that the IFP-2000 will not only meet your installation needs, but also easily accommodates facility growth.

Troubleshooting is simplified because detectors and modules each have their own, unique address.

The Silent Knight Software Suite allows for upload/download inter-connection between the installer's facility and the building itself, which allows for remote maintenance and troubleshooting.

Jumpstart auto programming allows for faster commissioning by allowing for default options to be selected for many programming tasks. All SLC loops and SBUS circuits are scanned to determine device type, which are then added to memory. System options can therefore be automatically selected, thereby eliminating the requirement for the installer to program for each device.

Patented Flexput circuits allow the IFP-2000 to be retrofitted in existing, Conventional applications, so existing detectors can be utilized. In addition, such installations can also be expanded by adding new devices that are fully compatible with the IFP system.

A nonvolatile event history stores up to 1,000 events, allowing installers to view event history for troubleshooting and system maintenance. Built-in synchronization is included for System Sensor, and a host of other notification appliances.

The IFP-2000 can be surface or flush mounted.

Ordering Information

IFP-2000	Intelligent Fire Alarm Control Panel
IFP-2000HV	High Voltage (240VAC) Intelligent Fire Alarm Control Panel
IFP-2000VIP	Integrated Voice Evacuation with IFP-2000
IFP-2000VIPHV	High Voltage Integrated Voice Evacuation with IFP-2000HV
RPS-2000	Intelligent Fire Alarm Control Panel without built in display
RPS-2000HV	High Voltage (240VAC) Intelligent Fire Alarm control Panel without built-in display

SBUS Accessories

RA-2000	Remote Annunciator. Four line LCD annunciator with 40 characters per line
5815XL	Signal Line Circuit (SLC) Expander
RPS-1000	6 amp Intelligent Power Module with 6 flexputs
5496	6 amp intelligent Power Module
5824	Serial/Parallel Printer Interface Module
5880	LED I/O Module
5865-3 & 5865-4	LED Fire Annunciators
5883	Relay Interface Board

IDP Devices

See the specification sheets listed below for a complete listing of the IDP devices

350361	Intelligent Device Protocol Devices Specification Sheet
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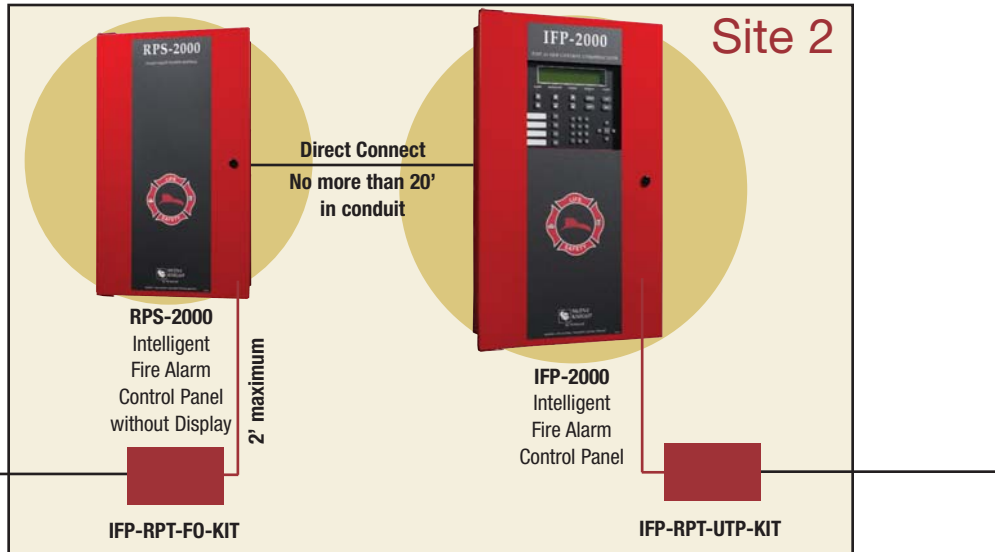
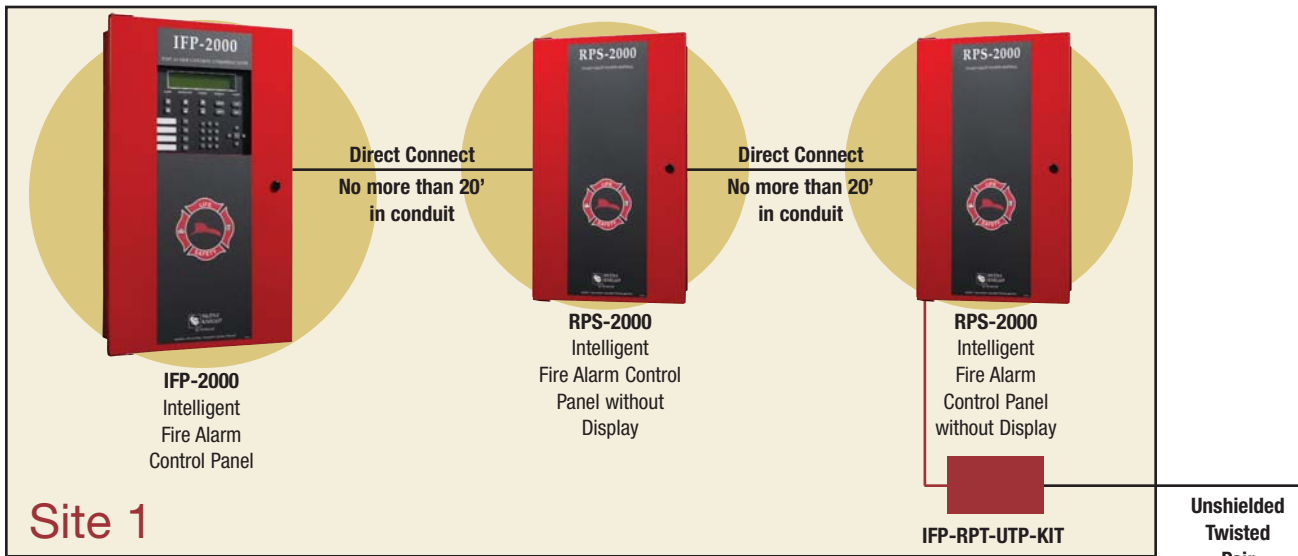
Networking Accessories

IFP-RPT-FO	Network Repeater board for fiber optic
IFP-RPT-UTP	Network Repeater board for twisted pair wire
IFP-RPT-UTP-KIT	Wired Twisted Pair Network Repeater Card and cabinet kit.
IFP-RPT-FO-KIT	Fiber Optic Network Repeater Card and cabinet kit.

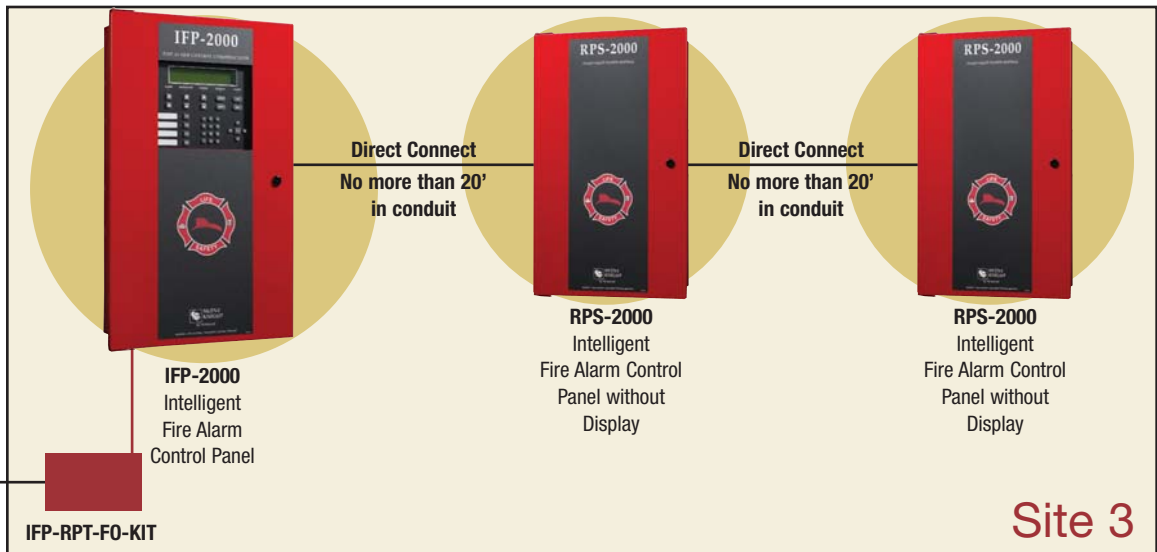
Miscellaneous Accessories

5655	Silent Knight Software Suite - 2. Provides programming, upload/download, and event reporting
RBB	Remote Battery Box Accessory Cabinet Use if backup batteries are too large to fit into FACP cabinet. Dimensions: 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)
AB-55	Remote Battery Box Accessory Cabinet

IFP-2000 Networking Options



Multi-Mode Fiber - No more than 8dB signal loss



Smart...

The Farenhyt IFP-2000/RPS-2000 is the most sophisticated fire alarm solution ever-offered by Silent Knight, and the first with scalable, network capability.

Up to eight IFP-2000 and/or RPS-2000 panels can be networked together, where each panel added increases point capacity in increments of 636 points. With eight panels, the total system capacity is 5,088 points.

In addition to the increased capability, the scalable IFP-2000/RPS-2000 offers outstanding flexibility as the system can be installed in a variety of ways: with multiple panels covering one large building and/or with individual panels networked across several independent building sites.

The RPS-2000 provides additional flexibility and value, offering the same panel functionality and networking capability as the IFP-2000, without the display.

The IFP-2000 is therefore ideal for growing facilities and campus expansions. Panels can be connected via a local network if they are within 20 feet of one another. If they are separated in distinct areas, a network repeater is utilized, using either unshielded twisted pair (for up to 3000 ft) or fiber optic cable (no more than 8db loss).

The IFP-2000 truly broadens the Farenhyt reach, and extends the Silent Knight portfolio into market opportunities that were previously unattainable.

Features

- Built-in support for up to 159 IDP sensors and 159 IDP modules, expandable to 636 points per IFP-2000 panel.
- The RPS-2000 is used in a networked system where at least one IFP-2000 is in the system..
- Up to 8 IFP-2000 or RPS-2000 panels can be networked, providing a system capacity of up to 5,088 points.
- The embedded panel software allows the IFP-2000/RPS-2000 panel network to be set up as a large virtual system, segmented into separate sites for multiple building applications, or configured as individual panels.
- Built-in UL listed digital communicator for remote reporting of system activity and system programming.
- 9.0A of output power is available through 8 sets of terminals for notification and auxiliary applications per panel.
- Supports Class B (Style 4) and Class A (Style 6 or Style 7) configuration for SLC, and SBUSs.
- Flexput™ I/O circuits configurable for auxiliary power, notification outputs, or conventional smoke detector inputs. Notification circuits can be configured as Class A (Style Z) or Class B (Style Y). 2- and 4-wire smoke detectors can be configured as Class A (Style D) or Class B (Style B).
- Two SBUSs provide expansion capability for up to 63 SBUS accessories.
- Built-in USB interface for programming.
- Dedicated Form C trouble relay and two general purpose Form C programmable relays rated at 2.5 amps at 24 VDC.
- System automatically tests IDP addressable devices.
- 13 preset notification cadence patterns (including ANSI 3.41) and four user programmable patterns.
- Programmable to automatically display initial event first or display tally of system events.
- Four line LCD display with 40 characters per line
- Built-in synchronization for appliances from AMSECO, Gentex®, System Sensor®, and Wheelock®
- 999 software zones and 999 output groups
- Programmable date setting for Daylight Saving Time.
- Jumpstart auto programming allows for faster set up time by selecting default options for many programming task.
- The IFP-2000 / RPS-2000 can be surface or flush mounted.



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7550 Meridian Circle Maple Grove, MN 55369-4927
800.446.6444 763.493.6400 Fax 763.493.6475 www.farenhyt.com

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