

Alster News

Tsunami Warning - Sirens and More

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Federal Signal Outdoor Warning Sirens provide public warning for Tsunami and other disasters. Using a combination of Electronic and Mechanical Outdoor Sirens and Indoor sirens and lights, FWS provides the complete warning package.

Outdoor Warning

There are two primary types of outdoor warning sirens - Electronic and Mechanical. The Electronic sirens are basic amplifier and speaker arrangements. They can play music and pre-recorded messages. In addition, announcements can be made live. The sirens are available in full omni-directional or semi-directional arrays with a radius from 1000' to 4500'. These sirens are primarily battery operated with charging by 120 vac.

Mechanical sirens have been around for 100 years. We offer three omni-directional versions. The Model 2 uses 120 or 240 vac single phase and has a 1000' radius. The STH-10 uses 240 vac three phase and has a 2400' radius. The 2001 uses batteries with charging by 120 vac and has a 5000' radius.

Indoor Warning

FWS provides a variety of alarms, speakers and strobe lights to provide indoor



Modulator - Electronic Siren

warning. The Informer is a radio receiver that listens to a paging or NOAA channel and alarms or announces depending on programming. We also provide 70 volt speaker arrays with amplifiers to alarm or announce in hallways, auditoriums, play and other general building areas.

Free Survey

We offer Warning Survey and Analysis of your outdoor and/or indoor area. Most of the time, this is a no charge service. It provides an accurate assesment of your warning desires and the equipment to make it happen. Please contact me for more info. ☺

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Bird Offers Certified Training - Site Analyzer

Bird Electronic presents Certified Site Analyzer Training for their popular SA-1700, SA-2500 and SA-4000 units. This two-day course is primarily for field engineers and communications operators. It covers basic RF theory, site overview and operation, equipment set-up and use, test and measurement of feed line, antenna system characteristics, documentation and report analysis. It is followed by a written certification

and hands-on test.

The dates are Thursday and Friday, June 17 - 18, 2004. To register, please use the enclosed form and fax it to Peggy Volker, Bird Electronic Corporation at 440-248-3790.

Bird has selected the Quality Inn - Everett, 101 128th Street SE, Everett, Washington 98202, 800-359-4827 as the location of the first Pacific Northwest site. ☺

Times Microwave - Specialized Assemblies

Silicon Dioxide

Times Microwave Systems **SiO2™** Silicon Dioxide coaxial cable assemblies meet the requirements of some of the most demanding microwave interconnect applications and hostile environments. **SiO2™** has low loss, unmatched phase stability and low phase hysteresis over extremes of temperature and pressure. Hermetically sealed intermediate sections are laser welded to the cable allowing the use of the full range Times Miltech®, Multiport™, Minimultiport™, Blind Mate™, Zero DB™ and equalizer products. Non-replaceable connectors are also available. All connectors include a crack-free, fired glass dielectric seal and are attached to the cable via state-of-the-art laser welding.

Armored SilverLine

Times announces its new heavy-duty armored **SilverLine™** Test Cable series for field and production test applications. **SilverLine™** Test Cables offer better phase stability with flexing and greater ruggedness. These durable cables employ a steel reinforced flexible outer armor covering to resist cut-through and abrasion, passivated stainless steel connectors, a rugged solder/clamp attachment and multiple-layer strain relief boots. Armored **SilverLine™** Test Cables are available with SMA-male and female, N-male and female, 7-16 DIN male and female, SMA right angle, 7mm connector and QMA options for use up to either 6 GHz or 18 GHz. Ω



New Times CD Catalog

Multiplier - New Replacement Batteries

Multiplier announces new batteries for Kenwood, Icom, M/A Com, Motorola, Relm and Vertex.

Kenwood - MKNB-17 LX with 1950 mA
 MKNB-24LX with 1950 mA
 MKNB-27N with 2800 mA
 Icom - MBP196HX with 1800 mA
 M/A Com - M191202-H with 2700 mA
 M191203-H with 2000 mA
 M5414-H with 1600 mA
 Motorola - M5447-H with 1600 mA
 M5521-H with 1600 mA
 M9018-H with 2000 mA

Motorola - Continued
 M9027-H with 1000 mA
 M9044-H with 1000 mA
 M9037 with 1500 mA
 Relm - M0193-HX with 2700 mA
 M0125-HX with 2700 mA
 Vertex - MFNB-29X with 2000 mA
 MFNB-29H with 2700 mA
 MFNB-29HX with 4000 mA
 MFNB-64 with 700 mA

Multiplier

These can be purchased from Frigid North, Hutton, Primus, Talley and Tessco. Ω

Multiplier has batteries for Streamlight Flashlights MSL20, 35, 55T, 3 XP and 20XP

Gabriel - Good Products/Immediate Shipment

Gabriel Microwave makes dishes from 300 MHz to 37 GHz. So if you want to open your garage door from 3 miles away or move a lot of information at high frequency, Gabriel has the product for you.

Immediate Shipment

Gabriel has determined to "BE IN STOCK" on popular antennas including:
 2.4 GHz 3 foot, 4 foot and 6 foot Grid
 2.4 GHz .5 foot, 1 foot, 2 foot Planar
 2.4 GHz 4 foot, 6 foot dual pole

5.8 GHz .5 foot, 1 foot, 4 foot Planar
 5.8 GHz 4 foot, 6 foot, QuickFire
 6 GHz 6 foot, 8 foot Deep Dish
 10 GHz 4 foot, 6 foot, Dish
 10 GHz 2 foot, 4 foot, 6 foot High Perf
 17 GHz 2 foot, 4 foot High Perf

If you find yourself in need of dishes in these sizes and frequencies, all it takes is a phone call to the Talley Communications 425-741-5995, the factory at 828-464-4143 or to me. Ω



Gabriel Microwave

TXRX - Making What You Need Better

Tower Top Amps

TXRX has taken 800 MHz Tower Top Amplifiers and created the state of the art unit. Their design uses a small, wind load reducing NEMA 4X, Stainless Steel enclosure to hold the 24 dB gain, 3.0 dB noise and 3rd order OIP at >38 dBm amplifier. The Smart-Backup™ panel includes LCD display, local and remote TTA path control, closed loop testing, Form C contacts and lightning suppressors.

Receive Multicouplers

Another product is the 19" 1 RU rack unit receive multicoupler which uses low noise, high performance broadband amplifi-

ers. The amplifiers and splitters enable two models to cover 100-512 MHz and 746-901 MHz. Basic 16 port design is expandable to 32 ports without service interruption. Other options includes AC/DC operation.

Flexible Duplexers

TXRX manufacturers a comprehensive line of duplexers with critical specifications. Whether your application has a challenging T-R frequency spacing or requires broadband duplexed windows to implement a single antenna system, our Duplexers provide the transmitter and noise suppression characteristics you need while minimizing the loss to your carriers. Call for more info. Ω



4 Can UHF Duplexer

Otto - Wireless Ear Piece Communications

OTTO Communications now offers Wireless Ear Receivers to make your OTTO Two and Three-Wire kits **perfectly covert!**

Wireless Ear Receiver

The Wireless Ear Receiver fits securely in your ear canal. It is comfortable and almost invisible. The Wireless Ear Receiver is used in conjunction with either the Flat Pack or Neck Loop to create an invisible inductive field that transmits the radio's sound.

The Ear Receiver is available in conventional or squelched models. The squelch

technology minimizes electric field interference making the unit silent in the absence of incoming transmission. All models are shipped as a kit including a carrying pouch, four A10 batteries, five wax filters, and a filter removal tool.

H2O Evolution

The Evolution **immersion rated speaker microphone** is the newest Evolution series member. This unit has been enhanced to withstand **prolonged exposure to water and temperature extremes.** Ω

Otto goes wireless for portable two-way communication and they have an immersion rated speaker microphone

Valmont 25V and 45V Now Shipping

The word is out! The Microflect/PiRod division of Valmont Communications is building tower sections that mate with 25G, 45G and 55G style towers. Our part numbers will be known as the 25V, 45V and 55V and will be stocked by Hutton and Tessco in their respective Reno warehouses.

The first 25V production runs were made at the PiRod plant in Indiana earlier this Spring. Now the Microflect Oregon

plant has also started manufacturing 25V and accessories.

We realize there is an existing demand for 25G style tower sections. We also realize that competitive products are also coming to market.

Be sure to ask for the Valmont version of the product. You will find our pricing competitive and our quality to be as good as it gets. Please call Hutton, Talley or me for price and delivery information. Ω



25V top and section Valmont/Microflect

APCO Shows - Montana and International

June 9, 2004

The Montana Chapter of APCO will be holding their statewide conference at the Holiday Inn/Parkside, 200 S. Pattee, Missoula, MT on Wednesday, June 9, 2004.

The Conference will include several presentations for dispatchers, supervisors and technicians. In addition, there will be a vendor area where attendees can see the latest in technical advancements in the world of Public Safety. You can check out this show by visiting their web site at:

www.mtapco.com

National APCO

The National APCO will be held August 8-12, 2004 in Montreal, Quebec, Canada.

This will also include seminars for dispatchers, supervisors and technicians. You can check out this show by visiting their web site at:

www.apcointl.org/conferences/

Please call me for additional information.

ACES 2004

Our mainland ACES locations have been set:

Boise, ID - Monday, October 4

Helena, MT - Wednesday, October 6

Spokane, WA - Thursday, October 7

ACES will be coming to Hawaii in February, 2005. The location and date have yet to be determined. Ω

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