OMNISITE
PRODUCT CATALOG

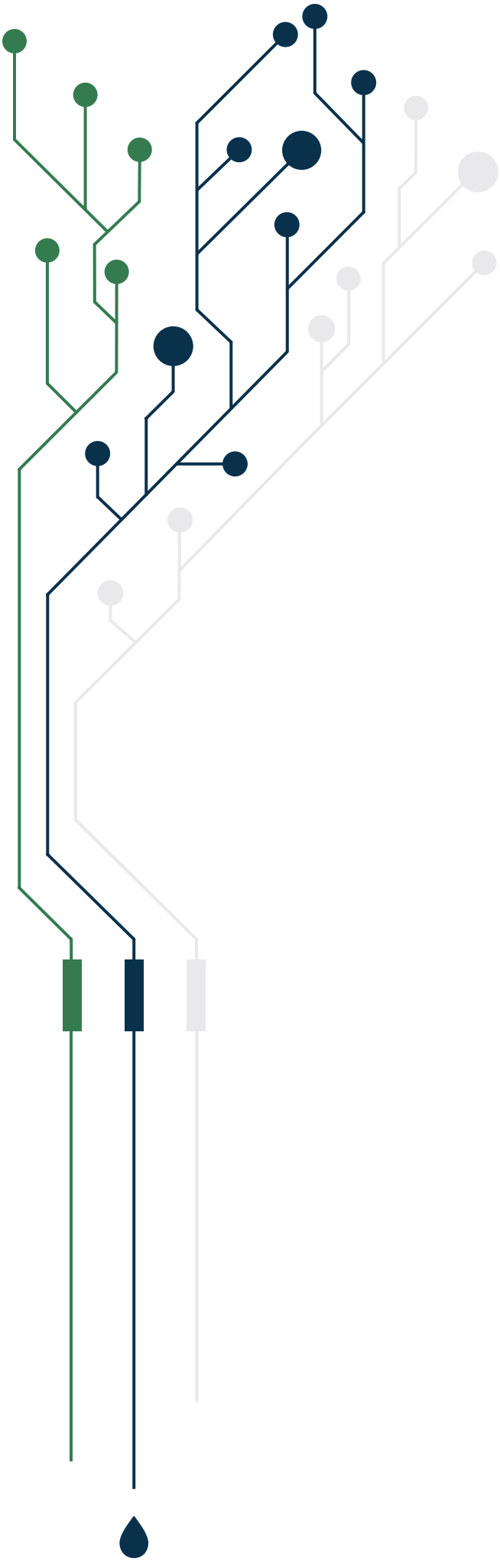


TABLE OF CONTENTS

HOW TO ORDER 04

MASTER REP AND VAR CONTACT INFORMATION 06

DEVICES 23

DEVICE MODIFICATIONS 31

ACCESSORIES 35

WIRELESS SERVICE 63

REPAIR POLICIES 65

How To Order

OmniSite's sales and services are handled on a national basis by our sales representative network. Because of this, we do NOT do direct sales. The purpose of this catalog is to provide an easy and streamlined process for our customers to place orders through their sales representative. If you are a new customer or need contact information for your local sales representative, we can assist you at sales@omnisite.com or you can locate a sales rep at www.omnisite.com/where-to-buy.

TO PLACE AN ORDER:

Customers – Work with your sales rep to select the product(s) you wish to purchase from this catalog. Note the listed part number (located under their respective **Order Information** sections) for reference. Contact your sales representative and provide him/her with this information. Your sales rep will complete your OmniSite order.

EXAMPLE ORDER (Please reference the example below for how to give your sales rep order information for your desired product if it were a Crystal Ball with a 1 year standard cellular service plan):

To [rep-email] Bcc

Cc

[Your Company Name] - Purchase Order

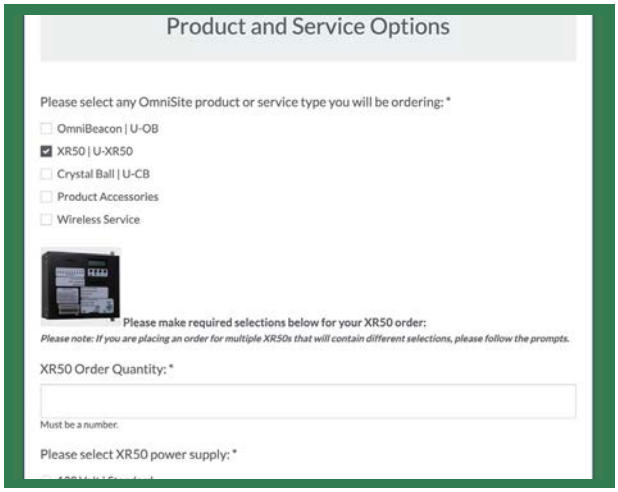
I'd like to purchase a Crystal Ball with a 1 year standard cellular service plan

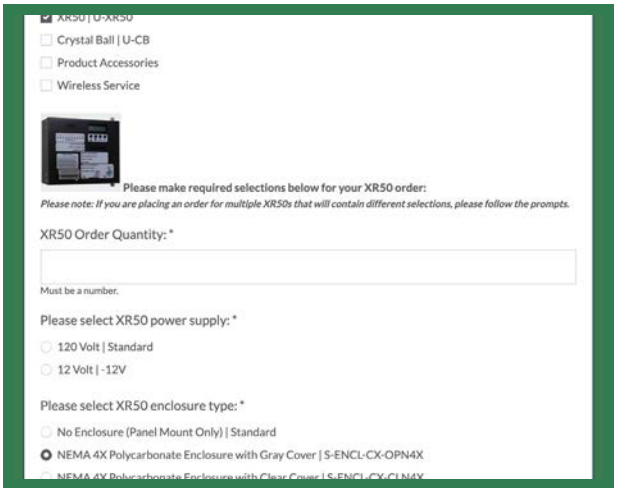
Part Numbers: U-CB and S-WS-CX-STD1

Sales Representatives – Obtain order information from your client. Reference that information to fill out our online Product Order Form. This form will provide you with correct part numbers and an estimated quote. When submitted, it goes directly to our sales team.

You can also call in an order to our inside sales team at 317-885-6330 X 4. (We no longer offer an online store. Therefore, methods listed above are the only methods of order placement we support.)

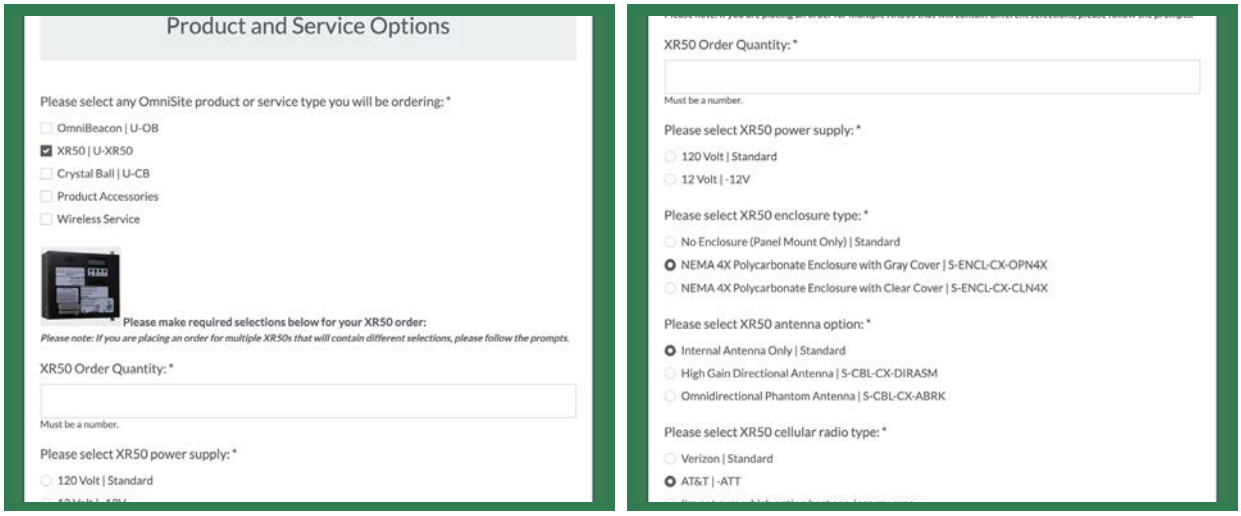
EXAMPLE ORDER (Please reference sample order below for an XR50 with NEMA Enclosure):





Some orders may require modifications. Under our new part numbers system, specified modifiers are indicated with a (–).

EXAMPLE ORDER (Please reference sample order below for an XR50 with an AT&T radio modifier and a NEMA Enclosure):



Are you a sales representative that still needs access to the online Product Order Form? Please contact sales@omniste.com.

Please note, all OmniSite products are shipped from our location in Indianapolis, Indiana; shipping and handling will be added to final price.

Warranty

All products come with a one (1) year parts and labor warranty.

To return defective equipment:
Call our support line and receive an RMA number (Returned Material Authorization). We will repair or replace any returned products at our discretion. For more information about our repair policies, please see page 66 of this catalog.

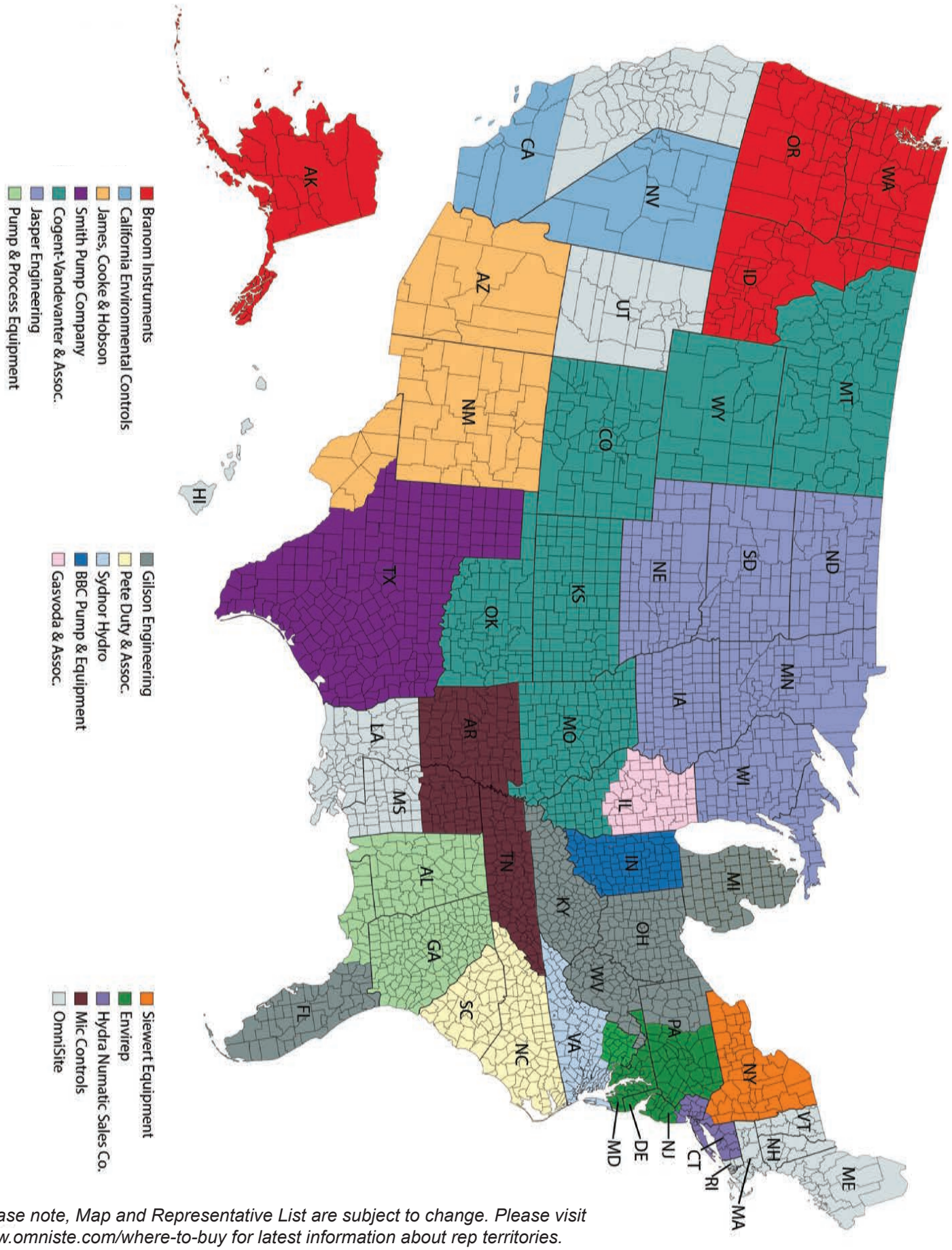
Please note: Defective equipment must be returned to OmniSite by the customer or sales rep at customer or sales representative's expense, unless customer is on the OmniAdvantage Plan. CONTACT SUPPORT: support@omnisite.com | 317-885-6330 X 3. For more information about the OmniAdvantage Plan, please see page 67 of this catalog.

Tech Support

Our technical support department is open Mon-Fri, 8AM-5PM EST at 317-885-6330 X 3 or support@omnisite.com. If you have an after-hours emergency, call this same number, and follow the phone prompts. (Please note there could be a charge for after-hours support unless you are an OmniAdvantage customer.)

Our technical support team is highly trained, professional, and friendly. Our techs are the same people who do the final test and documentation on all our products that ship out the door. This keeps our techs up-to-date with the latest changes, as well as familiar with all our products.

Master Representative Territory Map



Please note, Map and Representative List are subject to change. Please visit www.omniste.com/where-to-buy for latest information about rep territories.

Master Representative and Value Added Resellers Contact Information

Alabama

Pump & Process Equipment
300 Shadow Wood Park
Birmingham, AL 35244
Phone: 800-500-0029 | Email: sales@pumpandprocess.net | Fax: 205-987-3622
♦ Master Representative

Alaska

Branom Instrument Co
137 E 50th St
Garden City, ID 83714
Phone: 877-336-5444 | Email: boise@branom.com
♦ Master Representative

Arizona

James, Cooke, & Hobson, Inc.
3501 E. Broadway Road
Phoenix, AZ 85040
Phone: 602-243-0585 | Email: sales@jchinc.com | Fax: 602-276-5402
♦ Master Representative

Arkansas

MIC Sales, Inc.
2360 Covington Cove
Memphis, TN 38134
Phone: 800-697-4642 | Email: larryh@micsales.net
♦ Master Representative

Haynes Equipment Co.
2800 North St.
Suite 135
Rogers, AR 72756
Phone: 479-372-6534 | Email: kcartmell@haynesequip.com
Value Added Reseller

California

California Environmental Controls INC.
6739 Washington Avenue
Whittier, CA 90601
Phone: 562-945-3425Email: cec@calencon.com
♦ Master Representative

Oakville Pump Service Inc.
7855 ST. HELENA HWY 29
OAKVILLE, , California 94562
Phone: 707- 944-2471 | Email: nik@oakvillepump.com
Value Added Reseller

Colorado

Water Technology Group – Denver / Wyoming / Montana
14452 W. 44th Ave
Golden , CO 80403
Phone: 918-585-5703 | Email: bbena@wtrgroup.com
♦ Master Representative

Master Representative and Value Added Resellers Contact Information (cont.)

Connecticut

Hydra-Numatic Sales Co.
Hartford, CT
Phone: 973-492-0181 | Email: sales@hnscompany.com | Fax: 973-492-1909
♦ Master Representative

Delaware

Envirep/TLC – Phoenixville, PA Office
Phoenixville, PA 19460
Email: WLaPorte@envirep.com
♦ Master Representative

Florida

Gilson Engineering Sales
809 NW 126th Ave.
Coral Springs, FL 33071
Phone: 954-644-9602 | Email: sg@gilsoneng.com | Fax: 407-444-0335
♦ Master Representative

Gilson Engineering Sales
144 Harston Court
Heathrow, FL 32746
Phone: 407-444-0334 | Email: sg@gilsoneng.com | Fax: 407-444-0335
♦ Master Representative

Gilson Engineering Sales
828 Walsingham Way
Valrico, FL 33594
Phone: 813-505-1413 | Email: sg@gilsoneng.com | Fax: 813-655-3513
♦ Master Representative

Pump & Process Equipment
3820 Hopkins St
Pensacola, FL 32505
Phone: 888-464-7867 | Fax: 850-432-1336
♦ Master Representative

Georgia

Pump & Process Equipment
2180 Sattelite BLVD.
Duluth, GA 30097
Phone: 912-659-6180 | Email: sales@pumpandprocess.net | Fax: 205-987-3622
♦ Master Representative

Hawaii

Unrepresented Territory. Contact OmniSite directly for assistance.

Idaho

Branom Instrument Co
137 E 50th St
Garden City, ID 83714
Phone: 877-336-5444 | Email: boise@branom.com
♦ Master Representative

Advanced Pump & Equipment, Inc.
Boise, ID
Phone: 406-586-1700 | Fax: 406-586-1710
Value Added Reseller

R.C. Worst & Co., Inc.
625 E. Best Ave.
Coeur d' Alene, ID 83814
Phone: 208-770-2551 | Email: customer.service@rcworst.com |
Fax: 208-6678775
Value Added Reseller

Illinois

Vandevanter Engineering – Illinois & Eastern Missouri
1550 Larkin Williams Road
Fenton, MO 63026
Phone: 636-343-8880 | Email: bnienaber@vandevanter.com
♦ Master Representative

Gasvoda & Associates, Inc
1530 Huntington Drive
Calumet City, IL 60409
Phone: 708-891-4400 | Email: info@gasvoda.com | Fax: 708-891-5786
♦ Master Representative

Indiana

BBC Pump & Equipment
777 North Tibbs Avenue
Indianapolis, IN 46222
Phone: 317-636-1111 | Email: sales@bbcpump.com | Fax: 317-636-5467
♦ Master Representative

Utility Services
2501 Chicago St.
Suite 4
Valparaiso, IN 46385
Phone: 219-759-0193 | Email: info@utilityservicescorp.com
Value Added Reseller

SecureTech
24220 US-31
Cicero, IN 46034
Phone: 317-758-0293 | Email: INFO@SECURETECHINDY.COM
Value Added Reseller

Master Representative and Value Added Resellers Contact Information (cont.)

Iowa

Jasper Engineering
Des Moines, IA
Phone: 319-266-2444 | Email: info-mpls@jaspereng.com
♦ Master Representative

Jetco, Inc.
208 1st Ave. S
Altoona, IA 50009
Phone: 515-967-5874 | Fax: 515-967-4110
Value Added Reseller

Allied Systems, Inc.
2200 E. Douglas Ave.
Des Moines, IA 50313
Phone: 515-246-9999 | Email: sobernolte@asidsm.com | Fax: 515-223-6642
Value Added Reseller

Iowa Central Electric
1221 Water St.
Alden, IA 50006
Phone: 515-859-7072
Value Added Reseller

Quality Pump & Control Inc
840 15th St. Sw
Mason City, IA 50401
Phone: 6414220441 | Email: kit@qualitypump.net
Value Added Reseller

Mississippi Valley Pump, Inc.
435 South Devils Glen Road
Bettendorf, IA 52722
Phone: 563-359-3223 | Email: shellie@misvalpump.com
Value Added Reseller

Kansas

Fluid Equipment – Western Missouri & Kansas
318 Broadway Blvd
Kansas City, MO 64105
Phone: 816-795-8511 | Email: bnienaber@cogentcompanies.com
♦ Master Representative

Alexander Pump and Services, Inc.
17728 NW 62nd Street
St. Marys, KS 66536
Phone: 7854376305Email: aps@kansas.net
Value Added Reseller

Advance Control Solutions LLC
4602 CR 5100
Cherryvale, KS 67335
Phone: 620-330-1905 | Email: tmedlock@advancecontrolsolutions.net
Value Added Reseller

Kentucky

Gilson Engineering Sales
2697 Sawbury Blvd.
Columbus, OH 43235
Phone: 800-860-4499 | Email: jw@gilsoneng.com | Fax: 412-366-1728
♦ Master Representative

Louisiana

Unrepresented Territory. Contact OmniSite directly for assistance.

Maine

Amco Instrument Group
Bangor, ME
Phone: 508-966-3060 | Email: info@associatemeasurement.com |
Fax: 508-966-3311
Value Added Reseller

Maryland

Envirep/TLC – Sykesville, MD Office
Sykesville, MD 21784
Email: DSwan@Envirep.com
♦ Master Representative

Envirep/TLC – Fallston, MD Office
Fallston, MD 21047
Email: BCheney@envirep.com
♦ Master Representative

Massachusetts

Amco Instrument Group
PO Box 775
Bellingham, MA 02019
Phone: 508-966-3060 | Email: info@associatemeasurement.com |
Fax: 508-966-3311
Value Added Reseller

Master Representative and Value Added Resellers Contact Information (cont.)

Michigan

Gilson Engineering Sales
3069 Biber Street, Apartment 06
East Lansing MI, 48823
Phone: 248-417-1102 | Alt. Phone: 412-348-3051 | Email wr@gilsoneng.com
♦ Master Representative

Jasper Engineering
PO Box 338
Ishpeming, MI 49849
Phone: 906-485-6361 | Email: info-mi@jaspereng.com
♦ Master Representative

Robinson Electrical & Mechanical
11475 W. Lincoln Rd.
Riverdale, MI 48877
Phone: 989-833-7440 | Fax: 989-833-7870
Value Added Reseller

Minnesota

Jasper Engineering
3800 5th Ave W, Suite 1
Hibbing, MN 55746
Phone: 218-262-3421 | Email: info-hib@jaspereng.com
♦ Master Representative

Jasper Engineering
700 Hamel Road
Medina, MN 55340
Phone: 952-938-6504 | Email: info-mpls@jaspereng.com
♦ Master Representative

Minnesota Pump Works
1 Cannon St. W
Dundas, MN 55019
Phone: 507-645-8004 | Email: info@minnesotapumpworks.com | Fax: 507-645-7533
Value Added Reseller

QFSI
800 6th St NW
New Prague, MN 56071
Phone: 952-758-9445 | Email: cory@qfsi.net
Value Added Reseller

Minnesota (cont.)

North Star Pump Service
9245 247th St. W.
Lakeville, MN 55044
Phone: 952-469-1422 | Fax: 952-469-5246
Value Added Reseller

Mississippi

MIC Sales, Inc.
2360 Covington Cove
Memphis, TN 38134
Phone: 800-697-4642 | Email: larryh@micsales.net
♦ Master Representative

Missouri

Fluid Equipment – Western Missouri & Kansas
318 Broadway Blvd
Kansas City, MO 64105
Phone: 816-795-8511 | Email: bnienaber@cogentcompanies.com
♦ Master Representative

Vandevanter Engineering – Illinois & Eastern Missouri
1550 Larkin Williams Road
Fenton, MO 63026
Phone: 636-343-8880 | Email: bnienaber@vandevanter.com
♦ Master Representative

FTC Equipment, LLC
5238 Winner Road
Kansas City, MO 64127
Phone: 816-833-7200 | Email: mikem@ftcequipment.com | Fax: 816-833-1074
Value Added Reseller

Montana

Water Technology Group – Denver / Wyoming / Montana
14452 W. 44th Ave
Golden , CO 80403
Phone: 918-585-5703 | Email: bbena@wtrgroup.com
♦ Master Representative

Advanced Pump & Equipment, Inc.
1408 Gold Avenue
Suite #6
Bozeman, MT 59715
Phone: 406-586-1700 | Fax: 406-586-1710
Value Added Reseller

Nebraska

Jasper Engineering
Omaha, NE
Phone: 402-238-2046 | Email: info-mpls@jaspereng.com
♦ Master Representative

Master Representative and Value Added Resellers Contact Information (cont.)

Nevada

California Environmental Controls INC.
6739 Washington Avenue
Whittier, California 90601
Phone: 562-945-3425 | Email: cec@calencon.com
♦ Master Representative

New Hampshire

Amco Instrument Group
Manchester, NH
Phone: 508-966-3060 | Email: info@associatemeasurement.com |
Fax: 508-966-3311
Value Added Reseller

New Jersey

Envirep/TLC – Main Office
3705 Trindle Road
Camp Hill, PA 17011
Phone: 717-761-7884 | Email: Sales@Envirep.com | Fax: 717-737-5817
♦ Master Representative

Hydra-Numatic Sales Co.
22 Park Place
PO Box 760
Butler, NJ 07405
Phone: 973-492-0181 | Email: sales@hnscompany.com | Fax: 973-492-1909
♦ Master Representative

New Mexico

James, Cooke, & Hobson, Inc.
3810 Academy Pkwy S NE
Albuquerque, NM 87109
Phone: 505-344-7100 | Email: sales@jchinc.com | Fax: 505-345-1487
♦ Master Representative

New York

Siewert Equipment
175 Akron St.
Rochester, NY 14609
Phone: 585-482-9640 | Email: smcnamara@siewertequipment.com |
Fax: 585-482-4149
♦ Master Representative

Siewert Equipment
175 Akron St.
Rochester, NY 14609
Phone: 585-482-9640 | Email: smcnamara@siewertequipment.com |
Fax: 585-482-4149
♦ Master Representative

New York (cont.)

Siewert Equipment
175 Akron St.
Rochester, NY 14609
Phone: 585-482-9640 | Email: smcnamara@siewertequipment.com |
Fax: 585-482-4149
♦ Master Representative

North Carolina

Pete Duty & Associates, Inc.
2219 Leah Drive
Hillsborough, NC 27278
Phone: 919-245-5070 | Fax: 919-245-5071
♦ Master Representative

North Dakota

Jasper Engineering
Bismarck, ND
Phone: 701-258-4070 | Email: info-bis@jaspereng.com
♦ Master Representative

Jasper Engineering
Williston, ND
Phone: 800-776-6184 | Email: info-mpls@jaspereng.com
♦ Master Representative

Dakota Supply Group
3021 E Broadway
Bismarck, ND 58501
Phone: 701-255-7112 | Email: bmksales@dsginc.biz | Fax: 701-255-7145
Value Added Reseller

Ohio

Gilson Engineering Sales
2697 Sawbury Blvd.
Columbus, OH 43235
Phone: 800-860-4499 | Email: jw@gilsoneng.com | Fax: 412-366-1728
♦ Master Representative

Gilson Engineering Sales
2776 Berkshire Road
Cleveland Heights, OH 44106
Phone: 800-860-4499 | Email: th@gilsoneng.com | Fax: 412-366-1728
♦ Master Representative

Gilson Engineering Sales
26953 Mingo Drive
Perrysburg, OH 43551
Phone: 800-860-4499 | Email: jb@gilsoneng.com | Fax: 412-366-1728
♦ Master Representative

Master Representative and Value Added Resellers Contact Information (cont.)

Ohio (cont.)

Ohio Electric Control
2395 Rock Road
Ashland, OH 44805
Phone: 419-289-1553 | Fax: 419-289-5555
Value Added Reseller

Control Interface, Inc.
517 Commercial Drive
Fairfield, OH 45014
Phone: 888-874-2062 | Email: sales@controlinterface.com | Fax: 513-874-2099
Value Added Reseller

SCADAtech
7384 E. Main Street
Suite B
Reynoldsburg, OH 43068
Phone: 612-552-7726 | Email: sales@sctohio.com | Fax: 614-866-7910
Value Added Reseller

Oklahoma

Automatic Engineering
412 N. Redbud Ave
Broken Arrow, OK 74012
Phone: 918-585-5703 | Email: bbena@cogentcompanies.com
♦ Master Representative

Oregon

Branom Instrument Co
8435 N Interstate Pl.
Portland, OR 97217
Phone: 800-452-4454 | Email: portland@branom.com
♦ Master Representative

Pennsylvania

Envirep/TLC – Main Office
3705 Trindle Road
Camp Hill, PA 17011
Phone: 717-761-7884E | mail: Sales@Envirep.com | Fax: 717-737-5817
♦ Master Representative

Envirep/TLC – Phoenixville, PA Office
Phoenixville, PA 19460
Email: WLaPorte@envirep.com
♦ Master Representative

Gilson Engineering Sales
535 Rochester Road
Pittsburgh, PA 15237
Phone: 412-369-0100 | Email: tk@gilsoneng.com | Fax: 412-366-1728
♦ Master Representative

Miller Pump Supply
9910 Peach St
Waterford, PA 16441
Phone: 814-796-8801 | Fax: 814-796-8006
Value Added Reseller

Integrated Environmental Technologies, Inc.
124 Edgewood Drive
Washington, PA 15301
Phone: 800-270-6052 | Email: sales@ietechinc.com | Fax: 724-261-5330
Value Added Reseller

W.C. Weil Company
PO Box 199
Allison Park, PA 15101
Phone: 412-487-7140 | Fax: 412-398-1162
Value Added Reseller

Rhode Island

Hydra-Numatic Sales Co.
Providence, RI
Phone: 973-492-0181 | Email: sales@hnscompany.com | Fax: 973-492-1909
♦ Master Representative

South Carolina

Pete Duty & Associates, Inc.
1121 Drayton St.
Newberry, SC 29108
Phone: 803-276-3211 | Fax: 803-276-3212
♦ Master Representative

South Dakota

J*asper Engineering*
Bismarck, ND
Phone: 701-258-4070 | Email: info-bis@jaspereng.com
♦ Master Representative

Dakota Supply Group
3610 Saint Paul Ave.
Sioux Falls, SD 57101
Phone: 605-336-8884 | Email: auto@dsginc.biz | Fax: 605-336-2392
Value Added Reseller

Master Representative and Value Added Resellers Contact Information (cont.)

Tennessee

MIC Sales, Inc.
2360 Covington Cove
Memphis, TN 38134
Phone: 800-697-4642 | Email: larryh@micsales.net
♦ Master Representative

Texas

Smith Pump Company
4624 Martin Luther King Fwy
Ft. Worth, TX 76119
Phone: 817-589-2060 | Email: shanek@smithpump.com | Fax: 817-595-4900
♦ Master Representative

Smith Pump Company
301 M&B Industrial
Waco, TX 76712
Phone: 800-299-8909 | Email: chrisb@smithpump.com | Fax: 254-776-0023
♦ Master Representative

Smith Pump Company
5750 North Sam Houston Parkway East
#1103
Houston, TX 77032
Phone: 713-997-8647 | Email: mattr@smithpump.com | Fax: 281-372-0014
♦ Master Representative

Smith Pump Company
3500 Comsouth Drive
Suite 500
Austin, TX 78728
Phone: 512-310-1480 | Email: darrelm@smithpump.com | Fax: 512-310-1417
♦ Master Representative

James, Cooke, & Hobson, Inc.
3800 Doniphan Dr.
El Paso, TX 79922
Phone: 915-581-5458 | Email: sales@jcinc.com | Fax: 915-581-9242
♦ Master Representative

Utah

Advanced Pump & Equipment, Inc.
Salt Lake City, UT
Phone: 406-586-1700 | Fax: 406-586-1710
Value Added Reseller

Vermont

Amco Instrument Group
Montpelier, VT
Phone: 508-966-3060 | Email: info@associatemeasurement.com | Fax: 508-966-3311
Value Added Reseller

Virginia

Sydnor Hydro, Inc
2111 Magnolia St.
Richmond, VA 23223
Phone: 804-643-2725 | Email: sydnor@sydnorhydro.com | Fax: 804-788-9058
♦ Master Representative

Envirep/TLC – Main Office
3705 Trindle Road
Camp Hill, PA 17011
Phone: 717-761-7884 | Email: Sales@Envirep.com | Fax: 717-737-5817
♦ Master Representative

Washington

Branom Instrument Co
North 626 Helena
Spokane, WA 99202
Phone: 800-257-3047 | Email: spokane@branom.com
♦ Master Representative

Branom Instrument Co.
5500 4th Ave. S.
Seattle , WA 98108
Phone: 800-767-6051 | Email: sales@branom.com
♦ Master Representative

American Pump & Electric
9601 Old Highway 99 SE
Olympia, WA 98501
Phone: 360-507-1000
Value Added Reseller

R.C. Worst & Co., Inc.
4101 E. Broadway
Spokane, WA 99202
Phone: 509-534-5616 | Email: customer.service@rcworst.com | Fax: 509-535-6539
Value Added Reseller

West Virginia

Gilson Engineering Sales
3501 MacCorkle Ave. SE, #143
Charleston, WV 25304
Phone: 304-342-0012 | Email: jr@gilsoneng.com | Fax: 304-342-0085
♦ Master Representative

Master Representative and Value Added Resellers Contact Information cont.

West Virginia (cont.)

Service Pump & Supply, Inc.
1111 Vernon St.
Huntington, WV 25704
Phone: 304-429-6731 | Email: sps@servicepump.com | Fax: 304-429-6736
Value Added Reseller

W.C. Weil Company
PO Box 7144
Charleston, WV 25356
Phone: 304-776-5665 | Fax: 304-776-8171
Value Added Reseller

Precision Pump & Valve
517 Old Goff Mountain Rd.
Cross Lanes, WV 25313
Phone: 304-776-1710 | Email: webcontact@ppvs.com | Fax: 304-776-7874
Value Added Reseller

Wisconsin

Jasper Engineering
700 Hamel Road
Medina, MN 55340
Phone: 952-938-6504 | Email: info-mpls@jaspereng.com
♦ Master Representative

L.W. Allen
4633 Tomkins Drive
Madison, WI 53716
Phone: 608-222-8622 | Email: sales@lwallen.com
Value Added Reseller

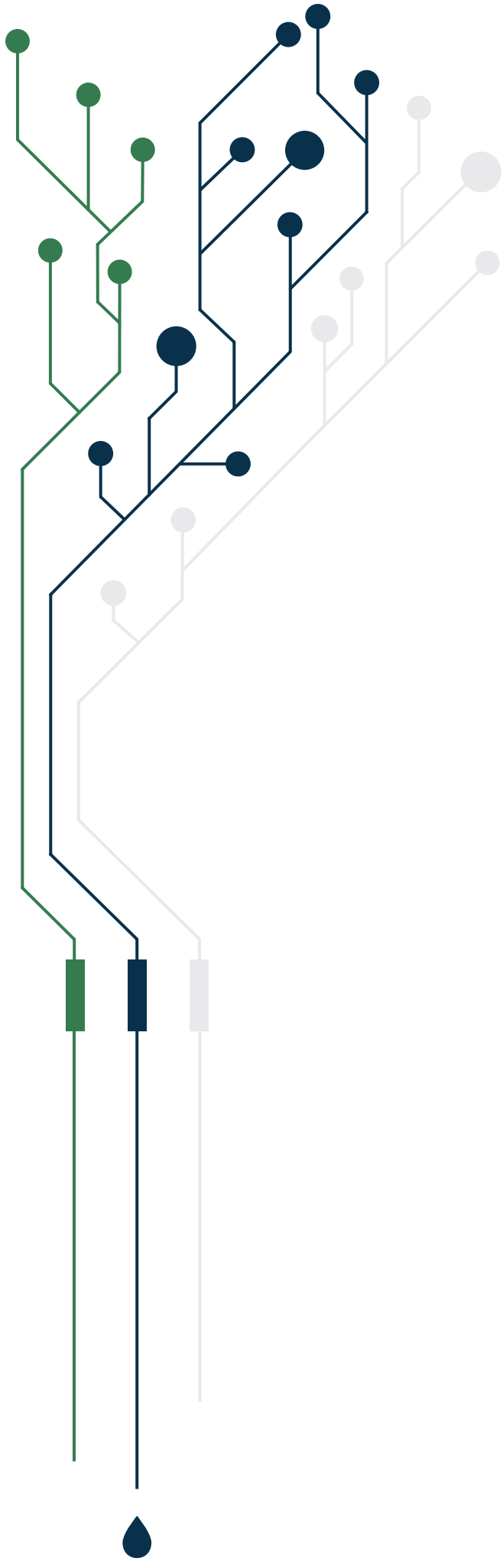
Wyoming

Water Technology Group – Denver / Wyoming / Montana
14452 W. 44th Ave
Golden , CO 80403
Phone: 918-585-5703 | Email: bbena@wtrgroup.com
♦ Master Representative

Advance Pump & Equipment, Inc.
Casper, WY
Phone: 406-586-1700 | Fax: 406-586-1710
Value Added Reseller

Please Note, the Map and Representative List are subject to change. Please visit *www.omniste.com/where-to-buy* for the latest information about rep territories.

Need assistance connecting with your local sales representative, contact the OmniSite sales team at sales@omnisite.com or call 317-885-6330 x4.



DEVICES

OMNIBEACON 24

XR50 26

CRYSTAL BALL 28

LOOK FOR THIS SYMBOL TO FIND MODIFICATIONS AND ACCESSORIES FOR THE OMNIBEACON

OmniBeacon
Cellular Alarm Light

The OmniSite OmniBeacon is perfect for any application that requires an alarm light. It is an affordable and reliable monitoring solution that includes data logging and web-based access. Unlike traditional alarm lights, the OmniBeacon delivers real-time alert notifications. While created to monitor pump stations, our customers utilize the OmniBeacon's simple and effective design on diverse applications.

Applications

The OmniSite OmniBeacon is applicable to lift stations, pump stations, treatment plants, plus other applications in need of an alarm light. It proves that regulation compliance doesn't have to cost big bucks. This Combination Visual Alarm Beacon and Cellular Transmitter will text, call, or email you if an alarm condition is detected. Plus it can be installed in about an hour or two, requiring only basic wiring knowledge. The OmniBeacon includes OmniSite's "plug and play" GuardDog web interface, which eliminates the need for custom programming.

Features

- **Super Bright LEDs and an 85dB annunciator ensure you can see and hear any alarms in addition to receiving voice, text, and email notifications.**
- **Direct Text messaging backup allows you to still receive alerts if OmniSite's server is unavailable for any reason.**
- **NEMA 4x equivalent rating for direct mounting indoors or outdoors**
- **Complete install and setup in about an hour with a 6 ft. field wiring harness for easy electrical connection**
- **Comes with the OmniSite Modular Radio (OSMR)**

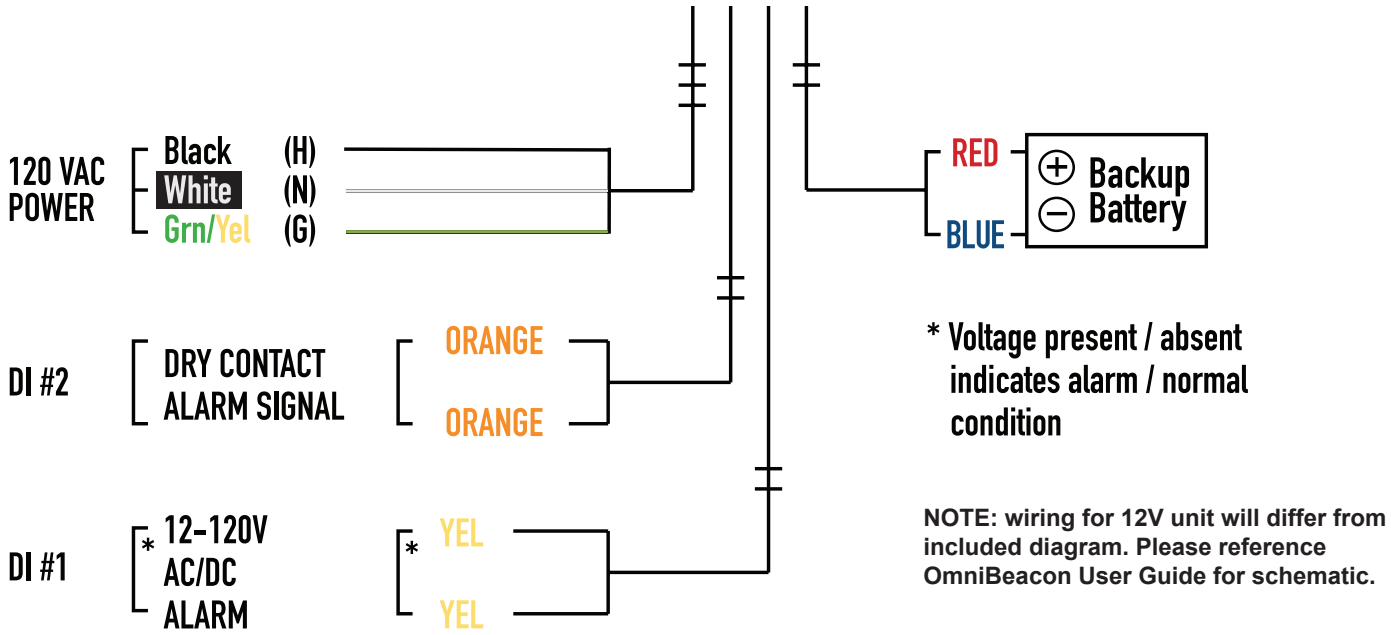
Order Information

Part Number: U-OB **See page 32 for optional device modifications.**

Specifications

Dual Input Alarm Channels	(1) 12VAC/VDC – 120 VAC/VDC, opto-isolated to 1500VAC input and (1) Dry Contact Input
Alarm Light LED/State	Super bright LEDs, long-life / pulses LEDs at 3Hz, selectable for Inputs #1 and #2
Cellular Radio	4G LTE CAT-1
Certifications	FCC Parts 15, 22, 24; RoHS compliant; IC: RSS-132 & 133
Antenna	Integrated, on board
Input Power	120VAC +/-20% @ 0.5A max; 12VDC Version: 12VDC +/-15% @ 1.5A max
Alarm Light Annunciator	2.8kHz, 85dB, selectable for Inputs #1 and #2, pulses at 3Hz
Backup Battery	External 6VDC Sealed Lead Acid, 1.3AH, Rechargeable, .187″ Faston spades
Operating Temp.	-20/150 Deg F
Operating Humidity	0-90% RH, non-condensing
Dimensions	5″W round base x 5″H
Weight	1 lb
Protections	US Patent #7,228,129 and #7,778,633

Wiring



LOOK FOR THIS SYMBOL TO FIND MODIFICATIONS AND ACCESSORIES FOR THE XR50

XR50
Remote Telemetry Unit

The OmniSite XR50 is perfect for monitoring digital alarm inputs and analyzing trends at a lift station. With the ability to record pump runtimes, GPMs, pump cycles, and more, the XR50 is the advanced solution for monitoring both critical and remote applications. Your connected equipment is completely monitored over the Internet, and comes with our FREE GuardDog software. If an abnormal condition occurs, alarms are sent by email, text message, or voice call to any location.

Applications

The OmniSite XR50 is applicable to pump stations, lift stations, plus other applications in need of trend analysis. The XR50 is a flexible, easy to install and configure, powerful equipment alarm monitor. This single integrated device eliminates the need for multiple PLCs, radios, software, computers modems, relays and other accessories. The complete packaged unit can be installed in under four hours, requiring only basic wiring knowledge. The XR50 includes OmniSite's "plug and play" GuardDog web interface which eliminates the need for custom programming.

Features

- **Microprocessor based alarm monitor**
- **Pulse counter totalization feature**
- **Daily reports of accumulated equipment runtime**
- **True SCADA replacement at fraction of cost/complexity**
- **Cellular coverage works where private radio systems cannot reach**
- **Comes with the OmniSite Modular Radio (OSMR)**

Order Information

Part Number: U-XR50 **See page 32 for optional device modifications.**

Please Note: *This device comes standard as a panel mount model. Panel mount models require an external antenna. Please see options below.*

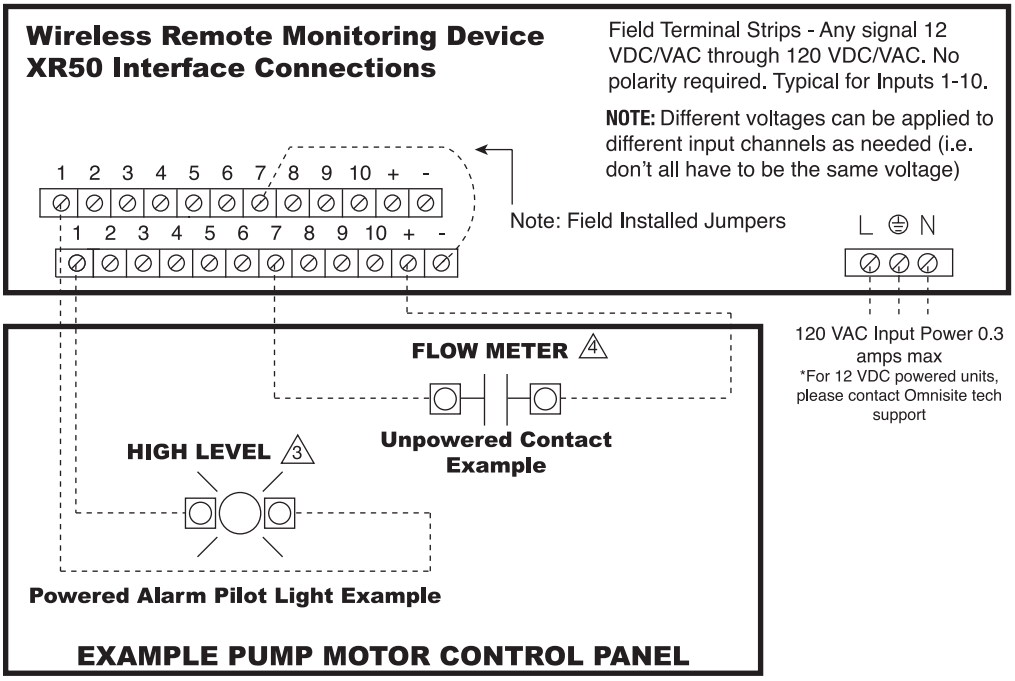
High Gain Directional Antenna (page 36) with the correct length of coax cable (page 38).
Phantom Antenna (page 37) with coax cable (page 38).

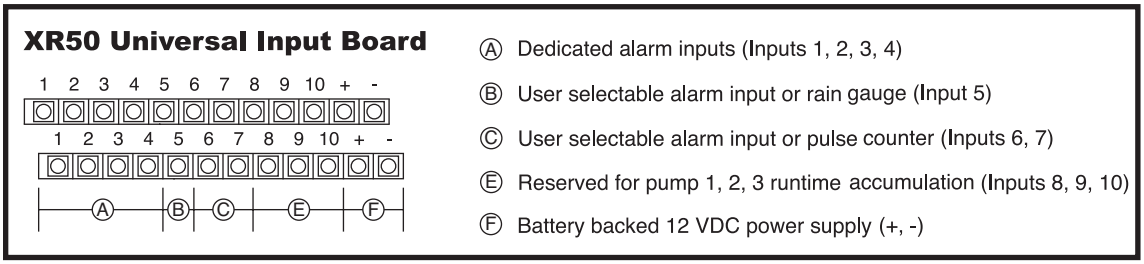
If you order this device as an enclosure mounted model, it comes standard with an internal antenna. However, the above external antenna options are available as upgrades.

Specifications

Input Power	120VAC +/-10% @ 0.3A max; 12VDC Version: 12VDC +/-10% @ 2.1A max
Cellular Radio	4G LTE CAT-1/CAT-M1, OSRM
Access Key	Smart security key to identify personnel on site
Terminal Blocks	Removable style accepts #14-18 AWG solid or stranded wire
Operating Temp/ Humidity	-20/150 Deg F / 0-90% RH Non-condensing
Backup Battery	Internal 12VDC Sealed Lead Acid, 800mAH, Rechargeable
Dimensions	9.0”H x 9.5”W x “3.5D (dimensions do not include an antenna attached)
SD Card Format	FAT 16
LCD Display	Backlit 2 x 16 lines
Keypad	(4) navigation buttons
Digital Inputs	(10) Inputs accept 12 VAC/VDC – 120 VAC/VDC
Protections	US Patent #7,228,129 and #7,778,633

Wiring





LOOK FOR THIS SYMBOL TO FIND MODIFICATIONS AND ACCESSORIES FOR THE CRYSTAL BALL

Crystal Ball
Remote Telemetry Unit

The OmniSite Crystal Ball doubles as both a Cellular Pump Station Monitor and a Backup Pump Controller, making it the perfect solution for monitoring critical or remote applications. Your connected equipment and machinery is completely monitored over the Internet, and comes with our FREE GuardDog software. If an abnormal condition occurs, alarms are sent by e-mail, text message, or voice call to any location.

Applications

The OmniSite Crystal Ball is applicable to pump stations, lift stations, plus other applications in need of trend analysis and pump control. The Crystal Ball is a flexible, easy to install and configure, powerful controller/monitor. Its single integrated controller eliminates the need for multiple PLCs, radios, software, computers, modems, relays and other accessories. The complete packaged unit can be installed in under four hours, requiring only basic wiring knowledge.
The Crystal Ball includes OmniSite's "plug and play" GuardDog web interface, which eliminates the need for custom programming.

Features

- **Immediate alarm reporting**
- **Machinery Operational Data reporting - every 15 minutes using the Elite Data package or every 24 hours using Standard Data Package**
- **True SCADA replacement at a fraction of the cost**
- **Perfect solution for monitoring critical or remote applications**
- **Advanced Internet based monitor, analyzer and controller**
- **Comes with the OmniSite Modular Radio (OSMR)**

Order Information

Part Number: U-CB **See page 32-33 for optional device modifications.**

Please Note: *This device comes standard as a panel mount model. Panel mount models require an external antenna. Please see options below.*

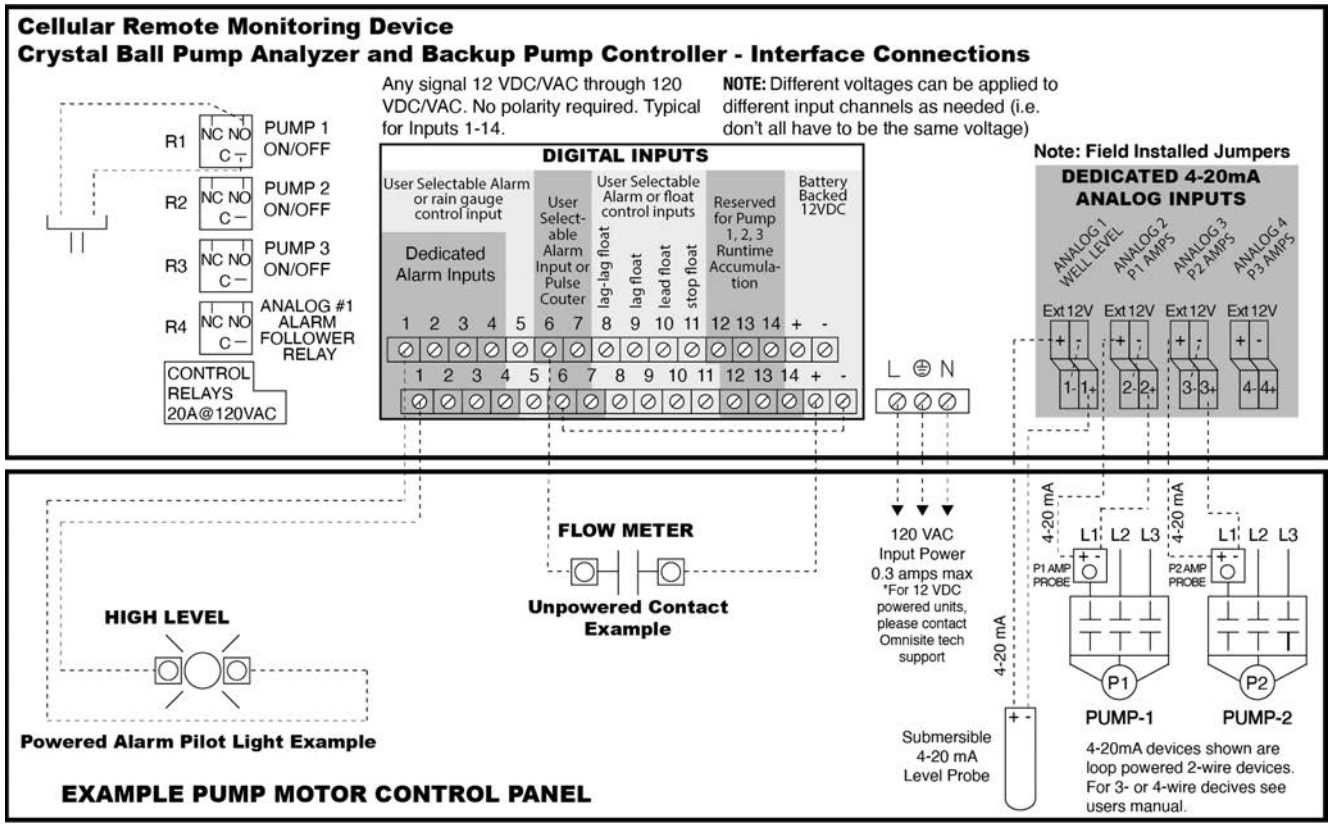
High Gain Directional Antenna (page 36) with the correct length of coax cable (page 38).
Phantom Antenna (page 37) with coax cable (page 38).

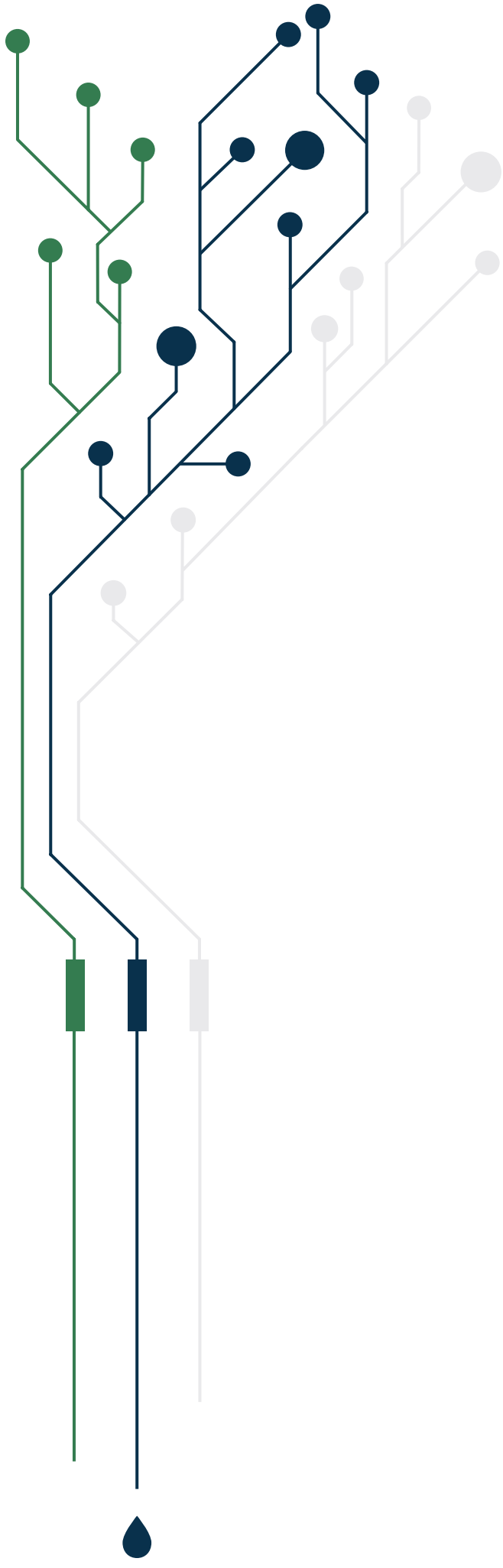
If you order this device as an enclosure mounted model, it comes standard with an internal antenna. However, the above external antenna options are available as upgrades.

Specifications

Input Power	120VAC +/-10% @ 0.3A max; 12VDC Version: 12VDC +/-10% @ 2.1A max
Cellular Radio	4G LTE CAT-1/CAT-M1, OSMR
Access Key	Smart security key to identify personnel on site
Terminal Blocks	Removable style accepts #14-18 AWG solid or stranded wire
Operating Temp/ Humidity	-20/150 Deg F / 0-90% RH Non-condensing
Backup Battery	Internal 12VDC Sealed Lead Acid, 800mAH, Rechargeable
Dimensions	9.0”H x 9.5”W x 4.0”D (dimensions do not include an antenna attached)
SD Card Format	FAT 16
LCD Display	Backlit 4 x 20 lines
Keypad	(8) navigation buttons
Analog Inputs	(4) 4-20mA, input 1 isolated, 10 bit resolution
Relay Outputs	(4) 20A @ 120VAC resistive
Digital Inputs	(14) Universal Inputs accept 12 VAC/VDC – 120 VAC/VDC
Protections	US Patent #7,228,129 and #7,778,633

Wiring





DEVICE MODIFICATIONS

- AT&T RADIO MODIFICATION ——— 32
- 12 VOLT DC POWER CONVERSION MODIFICATION ——— 32
- REMOTE MOUNTED DISPLAY/KEYPAD ASSEMBLY FOR CRYSTAL BALL ——— 33
- ENCLOSURE FOR XR50 OR CRYSTAL BALL OUTDOOR MOUNTING ——— 33
- ENCLOSURE FOR XR50 OR CRYSTAL BALL CLEAR LID ——— 33

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

AT&T Radio Modification

All standard products use Verizon Radios. AT&T radios may be selected as a modification for the XR50 or Crystal Ball.

Order Information

Part Modifier: -ATT

NOTE: The OmniBeacon only comes with a Verizon Radio so the direct texting feature can be used.

MODIFIES:

12 Volt DC Power Conversion Modification

12VDC conversion power option - this option works for any product.

Order Information

Part Modifier -12V

MODIFIES:

Remote Mounted Display/Keypad Assembly for Crystal Ball

Order Information

Part Modifier: -RDU

MODIFIES:

Questions? Call, email, or set up a meeting with our sales team.

Enclosure for XR50 or Crystal Ball Outdoor Mounting

NEMA 4X Polycarbonate Enclosure with gray cover for XR50 or Crystal Ball Outdoor Mounting. Unit will come installed in enclosure.

Enclosure Includes

(1) Enclosure
(4) Mounting Feet
(4) Mounting Screws for Lid

Order Information

Part Number: S-ENCL-CX-OPN4X

MODIFIES:

Enclosure for XR50 or Crystal Ball Clear Lid

NEMA 4X Polycarbonate Enclosure with clear cover for XR50 or Crystal Ball Indoor Mounting Only. Unit will come installed in enclosure.

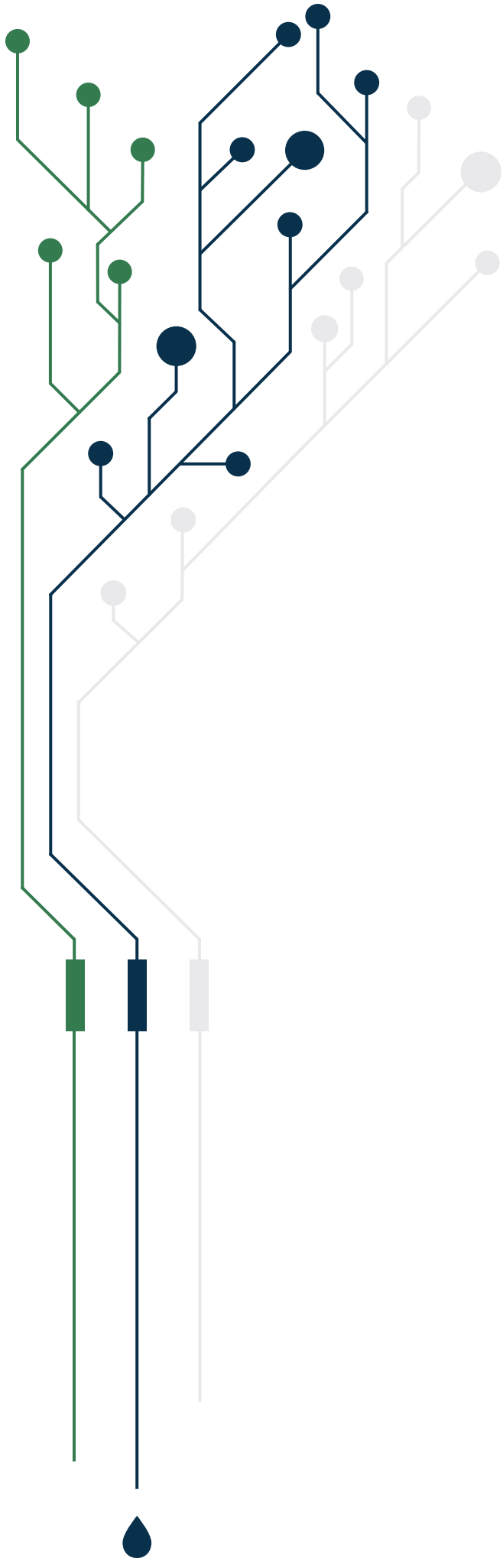
Enclosure Includes

(1) Enclosure
(4) Mounting Feet
(4) Mounting Screws for Lid

Order Information

Part Number: S-ENCL-CX-CLN4X

MODIFIES:



ACCESSORIES

- HIGH GAIN DIRECTIONAL ANTENNA ASSEMBLY WITH MOUNTING BRACKET KIT 36
- OUTDOOR OMNIDIRECTIONAL PHANTOM ANTENNA WITH MOUNTING BRACKET KIT 37
- 6’, 10’, 30’, 50’ SMA TWS195 COAX CABLE (PURCHASE FOR HIGH GAIN DIRECTIONAL ANTENNA) 38
- 6’, 10’ 30’, 50’ SMA TWS195 COAX CABLE (PURCHASE FOR PHANTOM ANTENNA) 38
- INTERNAL STUBBY 4G ANTENNA 39
- CURRENT SWITCH 40
- 4-20 mA AMP PROBE 42
- I-LEVEL (SUBMERSIBLE LEVEL PROBE) EXPLOSION PROOF 44
- RAIN GAUGE 48
- RAIN GAUGE W/ HEATER 48
- SOLAR PANEL - 12 VDC PRODUCTS 50
- INTELLIGENT KEY (XR50 OR CRYSTAL BALL) 52
- CRYSTAL BALL ENCLOSURE ACCESSORY BAG 52
- OMNIBEACON ACCESSORY BAG 53
- XR50 ENCLOSURE ACCESSORY BAG 53
- EXTENDED RUNTIME BACKUP BATTERY KIT 54
- EXTERNAL BACKUP BATTERY (XR50 OR CRYSTAL BALL) WITH EXTENDED RUNTIME 55
- SOLAR PANEL REPLACEMENT BATTERY 56
- XR50 & CRYSTAL BALL REPLACEMENT BATTERY 57
- BATTERY HEATER ASSEMBLY (XR50 OR CRYSTAL BALL) 58
- OMNIBEACON REPLACEMENT BATTERY 59
- OMNIBEACON LARGE HOLE SEALING KIT 60

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Works With:

High Gain Directional Antenna Assembly with Mounting Bracket Kit

The High Gain Directional Antenna offers a simple, cost effective way of improving the cellular reception of your OmniSite Unit. This antenna can be mounted on a wall or mast with both mounting brackets included in the kit. Use this antenna for applications where the signal strength in the area is known to be weak. Mounting and weather proofing kits are included and must be used during installation.

Order Information

Part Number: S-CBL-CX-DIRASM

A coax cable is **NOT** included. Select your desired coax cable length at purchase. See page 38 of this catalog.

Applications

Increase cellular reception for your XR50 or Crystal Ball

Kit Includes

1 x Directional Antenna
1 x Mast Mount U-Bolt
1 x Scissor Wall Bracket
1x Cord Grip and Weather Proof Tape

Specifications

4G Frequencies:	1900-2170MHz
Typical VSWR:	≤ 2.5:1
Peak Gain:	8 dBi
Max Input Power:	50 W
Pattern:	Directional
Width:	155 mm
Height:	155mm
Operating Temp:	-40 / +80° C
Mounting Type:	Wall Mount; Mast Mount
Mounting Method:	Wall Bracket; Mast Clamp; U Bolt; Screw Mount
Flame Retardancy:	UL94 V0

Outdoor Omnidirectional Phantom Antenna with Mounting Bracket Kit

The Outdoor Phantom Antenna Bracket Kit w/ Coax Cable is a great option for improving the cellular reception of your OmniSite unit when a High Gain Directional Antenna may not be required.

This is the antenna you will want to order if you are mounting your XR50 or Crystal Ball inside of a METAL pump control panel. If your XR50 or Crystal Ball is mounted in a plastic or fiberglass enclosure, we recommend using our Stubby 4G Antenna (page 39).

Works With:

Order Information

Part Number: S-CBL-CX-ABRK

A coax cable is **NOT** included. Select your desired coax cable length at purchase.See page 38 of this catalog.

Applications

Increase cellular reception for your XR50 or Crystal Ball. Used if your product is mounted underground, in a metal cabinet, or in a low lying area.

Kit Includes

(1) Phantom Antenna
(1) Custom Mounting Bracket
(2) 3” Strip of Weather Sealant & Marking Tape

Specifications

4G Frequencies:	**1900-2170MHz**
Peak Gain:	**≤ 2.5:1**
Max Input Power:	**3 dBi**
Pattern:	**50 W**
Width:	**Omnidirectional**
Height:	**2 in. round antenna with 6 in. X 8 in plate**
Operating Temp:	**4 in.**
Mounting Type:	**-40 / +80° C**
Mounting Method:	**Wall Mount**
	Wall Bracket

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

SMA TWS195 Coax Cable (Purchase for High Gain Directional Antenna)

This cable is made of solid polyethylene dielectric and is terminated SMA Male to SMA Male. The cable can ONLY be used with the High Gain Directional Antenna to extend the antenna to a location where suitable cellular reception is received in difficult applications.

Order Information

Part Number:

06’ - S-CBL-CX-S6TWS
10’ - S-CBL-CX-S10TWS
30’ - S-CBL-CX-S30TWS
50’ - S-CBL-CX-S50TWS

Works With:

You may **ONLY** use this with our Outdoor High Gain Directional Panel Antenna Assembly with Mounting Bracket Kit (page 36).

SMA TWS195 Coax Cable (Purchase for Phantom Antenna)

This coax cable is a solid center ATX195 made of solid polyethylene dielectric terminated N Male to SMA Male. The cable can ONLY be used with the Outdoor Phantom Antenna Bracket Kit to extend the antenna to a location where suitable cellular reception is received in difficult applications.
(6’ Ideal length for Phantom when panel mounting OmniSite inside existing pump panel.)

Order Information

Part Number:

6’ - S-CBL-CX-C6TWS
10’ - S-CBL-CX-C10TWS
30’ - S-CBL-CX-C30TWS
50’ - S-CBL-CX-C50TWS

Works With:

You may **ONLY** use this when purchasing the Outdoor Omnidirectional Phantom Antenna Bracket Kit (page 37).

Internal Stubby 4G Antenna

This smaller antenna has no coax cable, which will have less RF losses. Enclosures no longer require a hole drilled on top, which can be a point for future water leak. The back panel is cut away from this antenna, to allow reception inside our enclosure (page 33).

Please note: this antenna option is replacing the previous Internal PCB antenna option.

Works With:

Order Information

Part Number: S-CBL-CX-ANTSMA

The Internal Stubby 4G Antenna is recommended on all XR50 and Crystal Ball units where an enclosure is ordered (page 33.)

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Current Switch

This split core current sensing switch monitors motor current (amperage) in the conductor passing through it. The sensor has a fixed trip point at 150 mA AC max (200 mA for 50 Hz).

Eliminates the expertise needed to correctly wire-in to a motor control circuit by merely inserting the probe onto a “hot” leg of the motor and then wiring to any OmniSite XR50 or Crystal Ball input.

This current switch can be used with your OmniSite unit to indicate “positive proof” when a motor is running or stopped.

Works With:

Order Information

Part Number: S-MI-CS200A

Applications

- Monitor Motor Current in Pumps
- Pump Station Monitoring

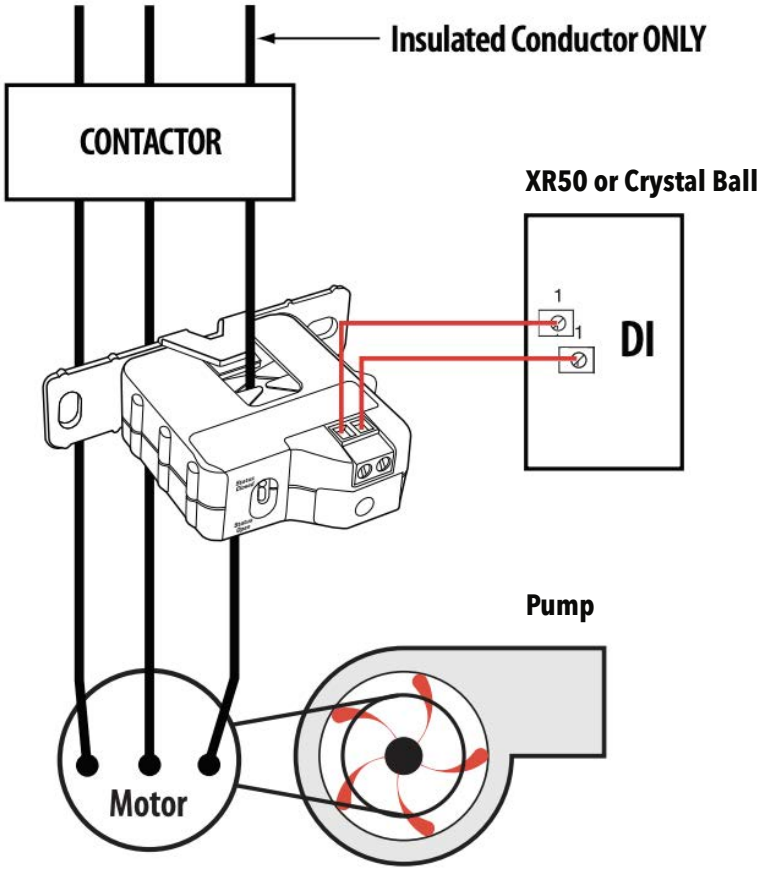
Features

- Clamp style eliminates need to wire-in, decreases set up time.

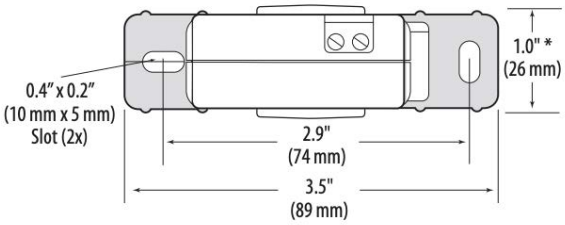
Specifications

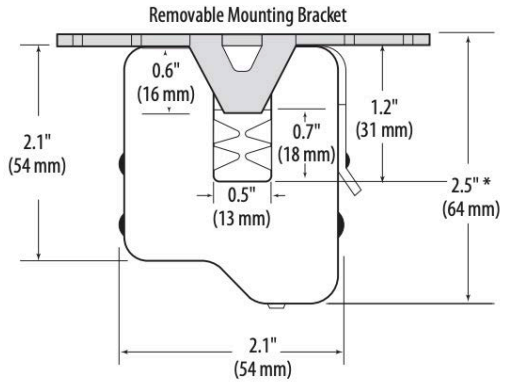
- **Sensor Power:** Induced from monitored current
- **Insulation Class:** 600VAC RMS (UL), 300VAC RMS (CE)
- **Frequency Range:** 50/60 Hz
- **Temperature Range:** -15° to 40°C (5° to 104°F) (to 200A); -15° to 60°C (5° to 140°F) (to 150A)
- **Humidity Range:** 10-90% RH, non-condensing
- **Terminal Block Maximum Wire Size:** 14 AWG
- **Terminal Block Torque (nominal):** 4 in-lbs
- **Agency Approvals:** UL 508 open device listing
  CE:EN61010-1:2001-02, CAT III, deg. 2, basic insulation

Wiring Diagram



Dimensions





GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

4-20 mA Amp Probe

The OmniSite Amp Probe will monitor AC motor amperage from 0-50, 0-100, or 0-200 amperes. The sensor outputs a 2-wire, 4-20mA signal. The sensors are a solid-core, where the conductor runs through the sensor. Amp probes are not needed to calculate pump on/off cycles and runtime, but are required to display pump amperage.

Works With:

Order Information

Part Number: S-MI-420MAP

Applications

- Monitor AC Motor Amperage
- Pump Station Monitoring

Features

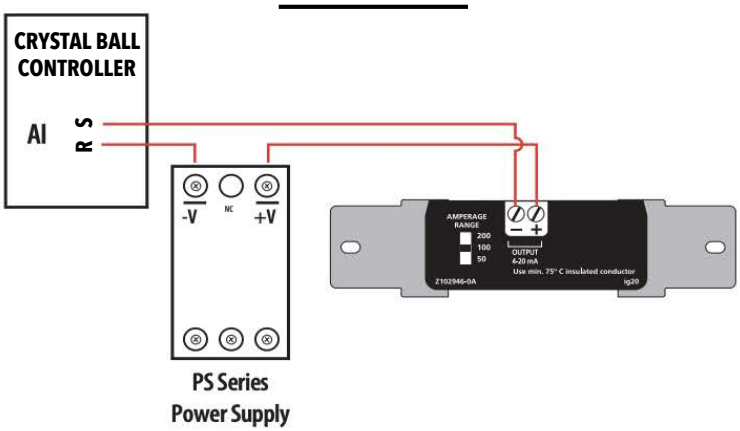
- Solid core

Specifications

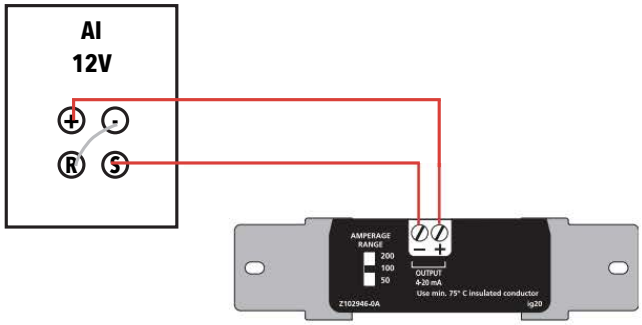
- **Amperage Range:** 0 to 50/100/200 Amps (slide switch selectable)
- **Sensor Power:** 3 0mA (max)@12 to 30 VDC
- **Insulation Class:** 600 VAC RMS (UL), 300 VAC RMS (CE)
- **Frequency:** 50/60Hz
- **Temperature Range:** -15° to 60°C (5° to 140°F)
- **Humidity Range:** 10-90% RH, non-condensing
- **Accuracy:** ±2% FS from 10% to 100% of selected range, but not less than ±0.4 A
- **Response Time:** 2 sec.
- **Terminal Block Maximum Wire Size:** 14 AWG
- **Terminal Block Torque (nominal):** 4 in-lbs (0.45 N-m)
- **Agency Approvals:** UL 508 open device listing
  CE: EN61010-1:2001-2, CAT III, Pollution Degree 2, basic insulation

Wiring Diagrams

External Power



Crystal Ball Sourcing 2-wire, 4-20mA Loop



GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

I-Level Submersible Level Probe – Explosion Proof

The I-Level from OmniSite is a next generation level transmitter for measuring water levels in sewage pumping stations, wells, and tanks. It's all stainless-steel design incorporates a highly clog resistant diaphragm protected by heavy-duty stainless steel weight. The explosion proof design is ideal for areas that have the potential for the build-up of explosive gases. The 0-20ft. factory calibrated range of the I-Level is optimized for use with the OmniSite Crystal Ball product in a lift station application, however it can be used in any application that accepts a 4-20mA output signal.

Works With:

Order Information

Part Number: S-MI-ILevel

Applications

- Submersible pump lift station level monitoring
- Wet wells
- Process sumps
- Water tanks and reservoirs
- Process sludge (including heavy sludge)
- Water and wastewater level monitoring

Features

- Stainless steel-sensing diaphragm resists clogging
- Protective weight reduces risk of sensor damage
- Submersible to 1,100 feet (335 meters) WC
- Corrosion-resistant, all stainless steel construction
- Surge protection from lightning strikes and voltage spikes
- Extremely rugged housing
- Explosion proof for Class I, Div. I & II
- A range of 4-20 mA = 0-20 ft, H20
- 50 ft Cable Length

Specifications

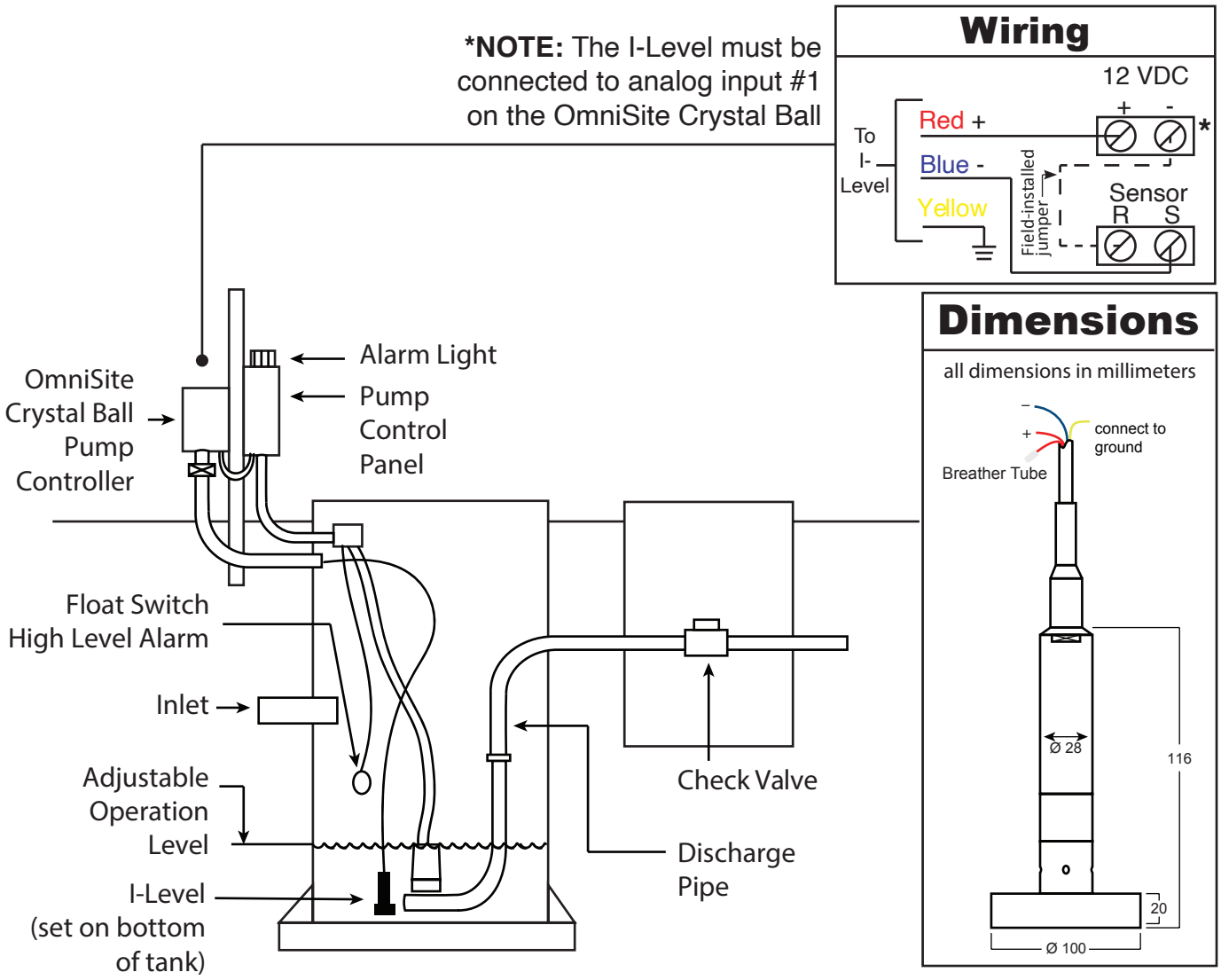
Measurement Range:	0-20 ft.
Accuracy:	0.25% F.S (including linearity, repeatability, and hysteresis)
Long Term Stability:	± 0.2 % F.S. per year
Output Signal:	4mA to 20 mA (two-wire type)
Power Supply:	12 VDC – 24 VDC ± 10%
Response Time:	10ms
Allowed Overpressure:	2.5 times full scale
Compensated Temperature:	from -10°C to +60°C
Load Impedance:	50K Ω min. for < 0.1% FSO attenuation
Input Current:	8mA nominal
Insulation Resistance:	10M Ω @ 50 VDC and +70 degrees F
Connection:	50 ft of 3-conductor #20g Hytrel jacketed Cable with breather tube utilizing Teflon hydrophobic filter
Weight:	5 lbs.
Materials:	All 316 stainless steel exterior body and diaphragm
Operating Temperature:	Temperature: 32 Degrees F – 150 Degrees F
Thermal Drift:	+/- 2.0% FS 50/100 Degrees F

Pump Lift Station Application

Product Usage: Simply set the weighted I-Level on the bottom of your sewage wet well or tank and connect the wires to the Crystal Ball Pump Controller as shown in the wiring diagram found on the next page. The I-Level will send its 4-20mA signal to the Crystal Ball to indicate well level. If the Crystal Ball is set up for pump control using a level probe or level probe with float backup, the Crystal Ball will then automatically cycle the pump(s) to maintain level set point. All the lift station data is transmitted to the OmniSite GuardDog phone app so you can keep track of well level and pump operation from anywhere, anytime.

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Wiring Diagram



TAKE SPIKE FOR A RIDE.

ENABLE MAP VIEW ON THE GUARDDOG MOBILE APP AND KNOW EXACTLY WHERE YOUR STATIONS ARE. FOR MORE INFORMATION, VISIT

WWW.OMNISITE.COM/GUARDDOG

GuardDog

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Rain Gauge

The Rain Gauge is a tipping bucket style rain collector. Once the rain gauge measures .01" of rain, the gauge will tip and close the contact closure. The enclosure is made of a UV-stabilized ABS plastic. (must be connected to Input #5).

The optional heater allows the rain gauge to operate below freezing temperatures for winter operation.

Order Information

Part Number: S-MI-RGAUGE

WITH HEATER
Part Number: S-MI-RAINHA

Works With:

Applications

- Monitor Rain Amounts at Pump Stations

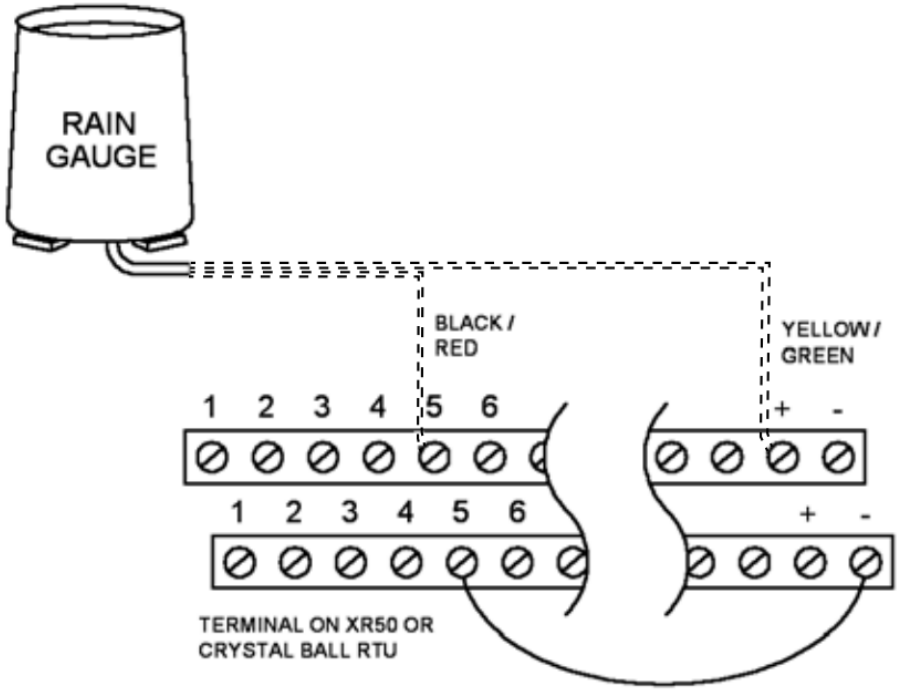
Features

- Constructed of tough, UV resistant plastic
- Stainless steel adjustment screws allow fine-tuning of the calibration
- Tipping bucket

Specifications

Sensor Type:	Tipping bucket w/magnetic reed switch
Output:	Contact closure
Attached Cable Length:	40' (12 m)
Cable Type:	Cable Type 4-conductor, 26 AWG
Connector:	Modular connector (RJ-11)
Recommended Max Cable Length:	900' (270 m)
Housing Material:	UV-stabilized ABS plastic
Rain Collector Dimensions:	Rain Collector 8.75" diameter x 9.5" high (16.5 cm diameter x 24 cm high)
Collection Area Dimensions:	31 in2 (200 cm2)
Weight:	2 lbs. 3 oz. (1 kg)

Wiring Diagram



GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Solar Panel - 12 VDC Products

The OEM kits are supplied with a fixed tilt, 45° side-of-pole mount. The controller features a multi-function LED indicator and fuse protection. This solar panel is manufactured to exceed industry standards providing exceptional reliability and maximum power output. Its twenty-year OEM warranty assures long product life.

Works With:

Order Information

Part Number: S-PO-SOLARP

NOTE: Kit comes with battery and charger system

Applications

- Used to power OmniSite XR50s or Crystal Balls where AC power is not available.

Features

- Manufactured to exceed industry standards
- 12V 18Ah battery included with kit
- Charger and battery housed in separate NEMA 4X enclosure

Kit Includes

- A solar module
- The OmniSite SWIL6 prewired voltage regulator
- Output cable

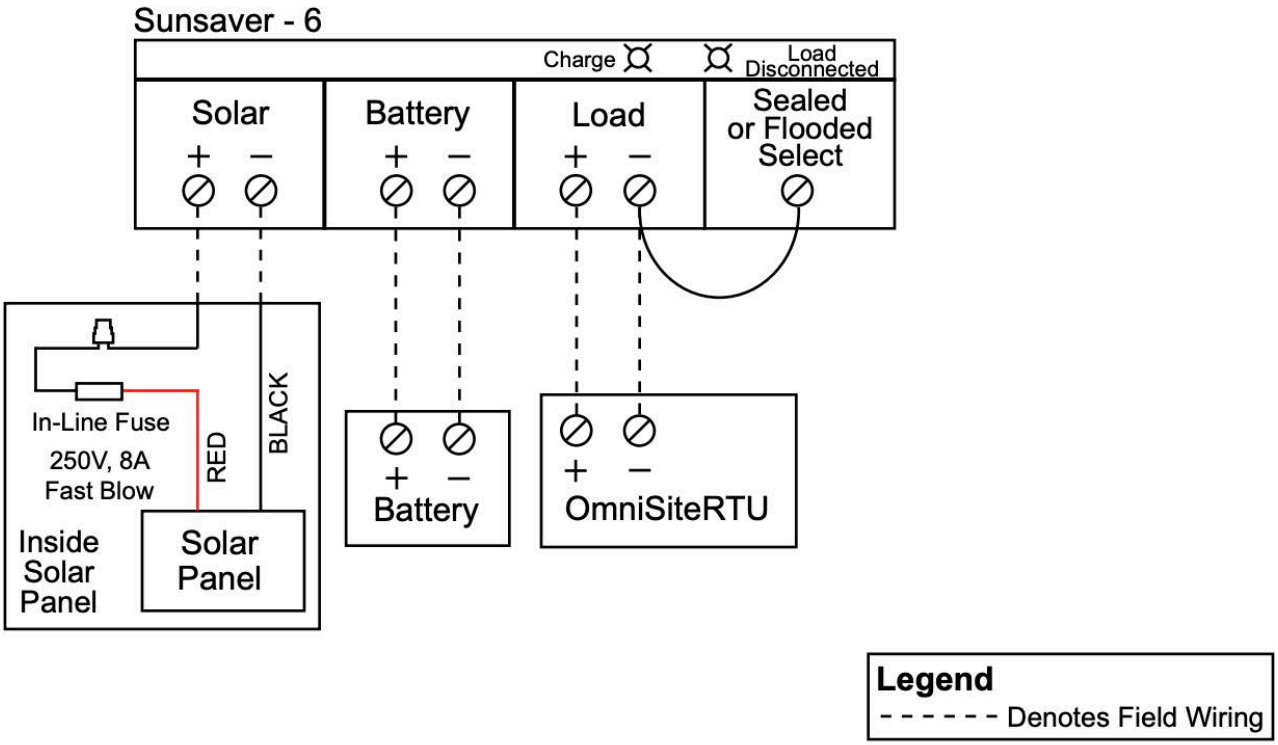
The aluminum side-of-pole mounts includes:

- (2) clamps for nominal 2.5” through 4” poles (OD 2.875” through 4.5”)
- 5 ft. cable
- Battery

Specifications

Model:	OEM10 kit	**Open Circuit Voltage:**	21.0 Voc
Rated Power:	10 Watts	**Short Circuit Current:**	0.70 Isc
Rated Voltage:	16.4 Vmp	**Dimensions**	15.98” x 13.38”
Rated Current	0.61 Imp	**Kit Weight**	8.5 lbs

Wiring Diagram



GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Intelligent Key

The Intelligent Key is a key to use with either the XR50 or Crystal Ball unit. By using the Intelligent Key with the unit, customers can enable or disable the unit and also be able to identify who serviced the equipment and at what time. Works only with XR50 & Crystal Ball products.

Order Information

Part Number: S-KY-CX-IKEY

Works With:

Crystal Ball Enclosure Accessory Bag

The Crystal Ball Enclosure Accessory Bag consists of the following items:

- **Crystal Ball User Manual**
- **Terminal Block Instruction Sheet**
- **Intelligent Key**
- **OmniSite Screw Driver**
- **Bag of (8) Jumper Wires**
- **3 Position Plug**
- **Crystal Ball Field Terminal Blocks**

Works With:

Order Information

Part Number: S-AB-CB-EN

Note: All new units are shipped with one accessory bag included. Order information is made available to replace a lost accessory bag.

OmniBeacon Accessory Bag

The OmniBeacon Enclosure Accessory Bag consists of the following items:

- **Backup 6 VDC battery**
- **Battery Bracket**
- **2 Quick Connect Terminals for battery**
- **4 Stainless 8/32 Nuts and Bolts**
- **4 #8 Neoprene Sealing Washers**
- **2 #10 Self Drilling/Tapping Screws**

Works With:

Order Information

Part Number: S-AB-OB-EN

Note: All new units are shipped with one accessory bag included. Order information is made available to replace a lost accessory bag.

XR50 Enclosure Accessory Bag

The XR50 Enclosure Accessory Bag consists of the following items:

- **XR50 User Manual**
- **Terminal Block Instruction Sheet**
- **Intelligent Key**
- **OmniSite Screw Driver**
- **Bag of (10) Jumper Wires**
- **3 Position Plug**
- **XR50 Field Terminal Blocks**

Works With:

Order Information

Part Number: S-AB-XR-EN

Note: All new units are shipped with one accessory bag included. Order information is made available to replace a lost accessory bag.

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Extended Runtime Backup Battery Kit

The Extended Runtime Battery Backup Kit is an option to protect an external backup battery. Works with new or existing Crystal Ball or XR50 units.

NOTE: This battery, when working with the Crystal Ball or XR50, will provide you 12+ hours of battery power for your Unit. Also works with Battery Heater Assembly (pg 58).

Works With:

Order Information

Part Number: S-BT-CX-BBTKT

Applications

Extend life of XR50 or Crystal Ball in case of inability to attend to station immediately

Kit Includes

- Extended Runtime 7aH battery
- 36” Connector (One end will come with spade connectors for connection to the battery, and the other end will have the correct plug for connection to your Crystal Ball or XR50)
- IP65 Polycarbonate Enclosure
- Mounting Flange Kit
- 0.5” Straight Liquid Tight PVC Conduit Connector

Specifications

- Designed to IP65 of IEC 529 and NEMA 1, 2, 4, 4x, 12 and 13 specifications
- Silicone rubber gasket makes this ideal for outdoor use in a wide range of adverse conditions
- Captive, stainless steel screws thread into brass inserts for cover on/cover off applications
- UL Listed to UL508-4x specifications (File E194432)
- Durable, impact-resistant UV Stabilized Polycarbonate material

Backup Battery with Extended Runtime

OmniSite has introduced a new way to have a battery backup with this Backup Battery with Extended Runtime option. This battery, when working with the Crystal Ball or XR50, will provide you 12+ hours of battery power for your Unit. This option will work great during the winter, in the middle of the night, or anytime you can't get out to your station right away once you are notified of power loss.

Works With:

Order Information

Part Number: S-BT-CX-EBBAT

Applications

Extend life of XR50 or Crystal Ball in case of inability to attend to station immediately. Product is best if the battery will be protected in weather-proof enclosure. Purchase the Extended Runtime Backup Battery Kit on the page above if you do not already have battery protection available for external backup battery.

Features

- **External Backup Battery**
- **36" Connector (One end will come with spade connectors for connection to the battery, and the other end will have the correct plug for connection to your Crystal Ball or XR50). Mount inside your control panel.**

Specifications

Battery Type	**Sealed Lead Acid**	**Length**	5.94"
Voltage	**12 VDC**	**Width**	2.57"
Amp Hours	**7 Amp Hours**	**Height**	3.78"
Connectors	**0.187" Faston Spades**	**Weight**	4.7 lbs

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

Solar Panel Replacement Battery

The replacement battery is a 12 Volt 18 Amp Hour battery that can be used to replace the solar panel battery that is past its life expectancy.

Works With:

Order Information

Part Number: S-BT-CX-SBATT

Applications

Extend battery life of solar panel

Specifications

Battery Type	Sealed Lead Acid	**Length**	7.13”
Voltage	12 VDC	**Width**	2.99”
Amp Hours	18 Amp Hours	**Height**	6.57”
Connectors	Nut and Bolt	**Weight**	11.02 lb

XR50 & Crystal Ball Replacement Battery

The replacement sealed lead-acid battery is a 12 Volt .8 Amp Hour battery that can be used in the XR50 and Crystal Ball to replace a battery that is past its life expectancy. This battery mounts inside the XR50 or Crystal Ball black metal housing and is standard size. For extended runtime battery options, please see pages 54 & 55 in this catalog.

Works With:

Order Information

Part Number: S-BT-CX-RBATT

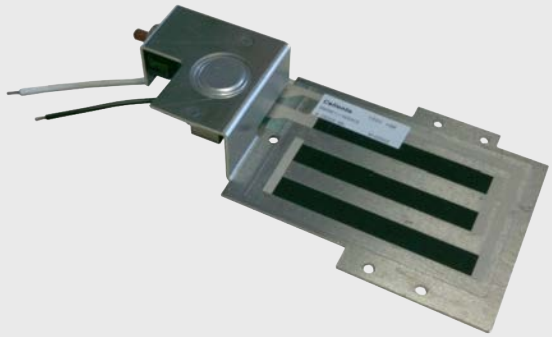
Applications

Replace current battery in XR50 or Crystal Ball.

Specifications

Battery Type	Sealed Lead Acid	**Length**	3.75”
Voltage	12 VDC	**Width**	1.0”
Amp Hours	0.8 Amp Hours	**Height**	2.4375”
Connectors	Connector for CB or XR50	**Weight**	0.678 lbs

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.



Battery Heater Assembly

If installing an XR50 or Crystal Ball in a location known to drop below 15 degrees F in the winter, and the unit will be mounted directly outdoors without additional protection, then purchasing this heated battery pocket will protect the battery down to -40 degrees Fahrenheit. Includes factory prewired thermostat and circuit breaker. Must be factory installed. Works with the XR50 and Crystal Ball products with newer hinged-style, black metal work only.

Works With:

Order Information

Part Number: S-BT-CX-HBATT

NOTE: Battery Heater Assembly does **NOT** include a battery.

Applications

Extends Battery Life in Cold Climates

Features

- **Includes Factory Prewired Thermostat and Circuit Breaker**
- **Operates in Temperatures down to -40 degrees Fahrenheit**

Specifications

Length	**6.75”**
Width	**3.25”**
Height	**1 1/8”**
Weight	**2 lbs 7 oz**

OmniBeacon Replacement Battery

The OmniBeacon will automatically charge this battery using a high quality, temperature compensated battery charger. This charger works anytime primary power is present. If the battery will not charge, or becomes disconnected, a low battery alarm is issued. The backup battery allows the OmniBeacon to continue monitoring for up to 12 hours after a primary power loss.

Works With:

Order Information

Part Number: S-BT-OB-RBATT

Applications

Replace current battery in OmniBeacon.

Features

This replacement battery is rechargeable.

Specifications

Battery Type	Sealed Lead Acid	**Length**	3.82”
Voltage	6 VDC	**Width**	0.94”
Amp Hours	1.2 Amp Hours	**Height**	2.03”
Connectors	0.187” Faston Spades	**Weight**	0.64 lbs

GET THE SOLUTION THAT WORKS FOR YOU.
Our accessories are conveniently labeled with the device(s) they work with. Just look for the symbol that matches your device.

OmniBeacon Large Hole Sealing Kit

The OmniBeacon Large Hole Sealing Kit is used to fill/cover a large hole in an electrical panel. A metal plate, along with two additional gaskets, is included to provide a complete seal.

Works With:

Order Information

Part Number: S-OA-OB-LHSK

Kit Includes

(4) Stainless 8-32 Nuts

(4) Stainless 8-32 Screws

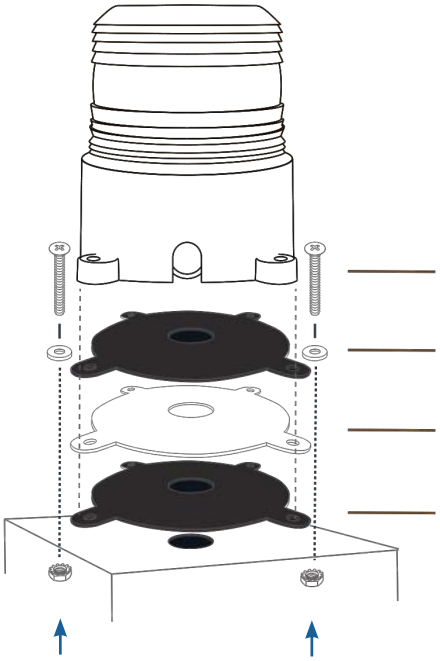
(4) #8 neoprene Sealing Washers

(2) Foam Gaskets

(1) Metal Cover Plate

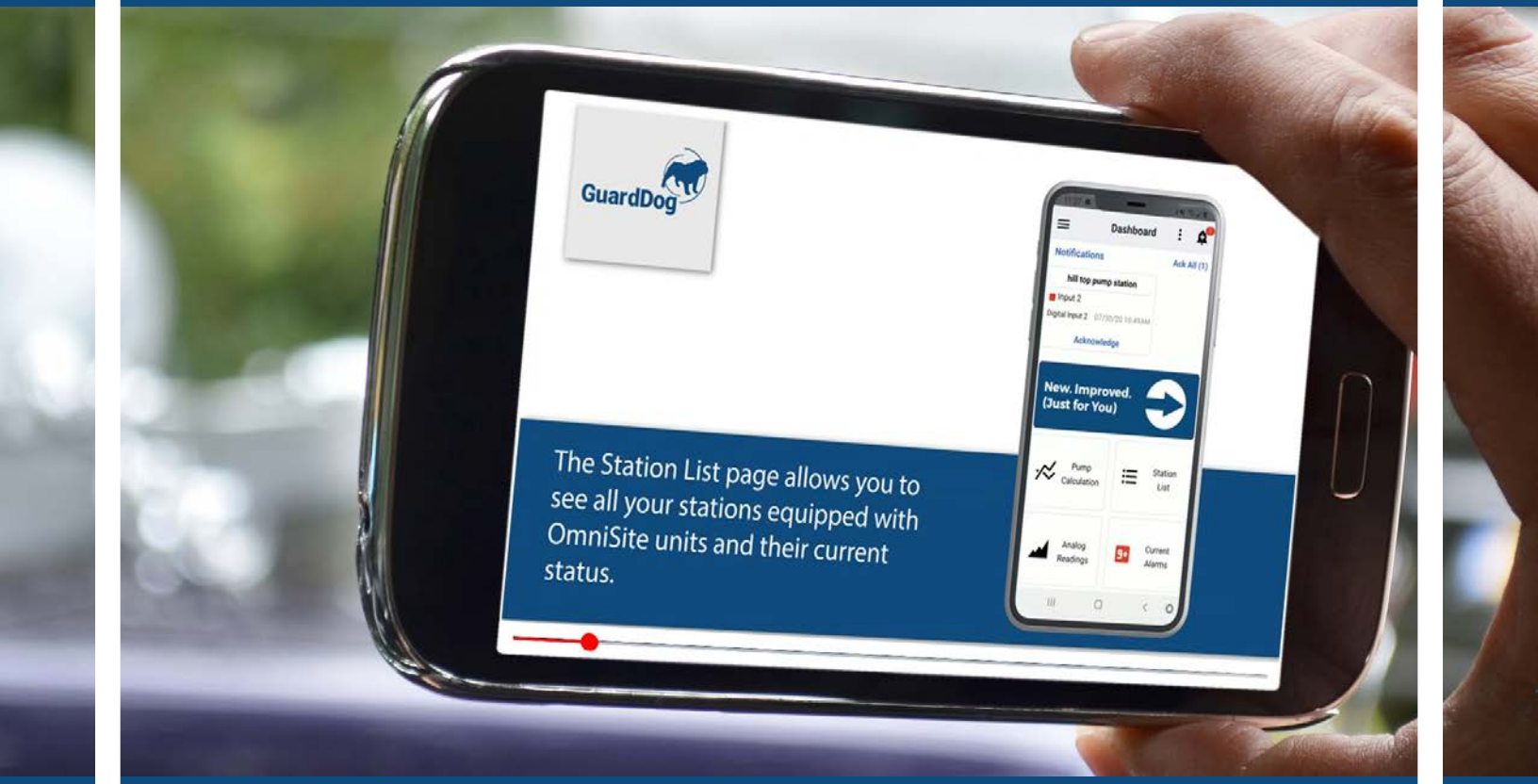
(1) Instruction Sheet

Installation Diagram



Correct installation shows sandwiching metal plate between (2) rubber gaskets to cover a large hole in the electrical control panel.

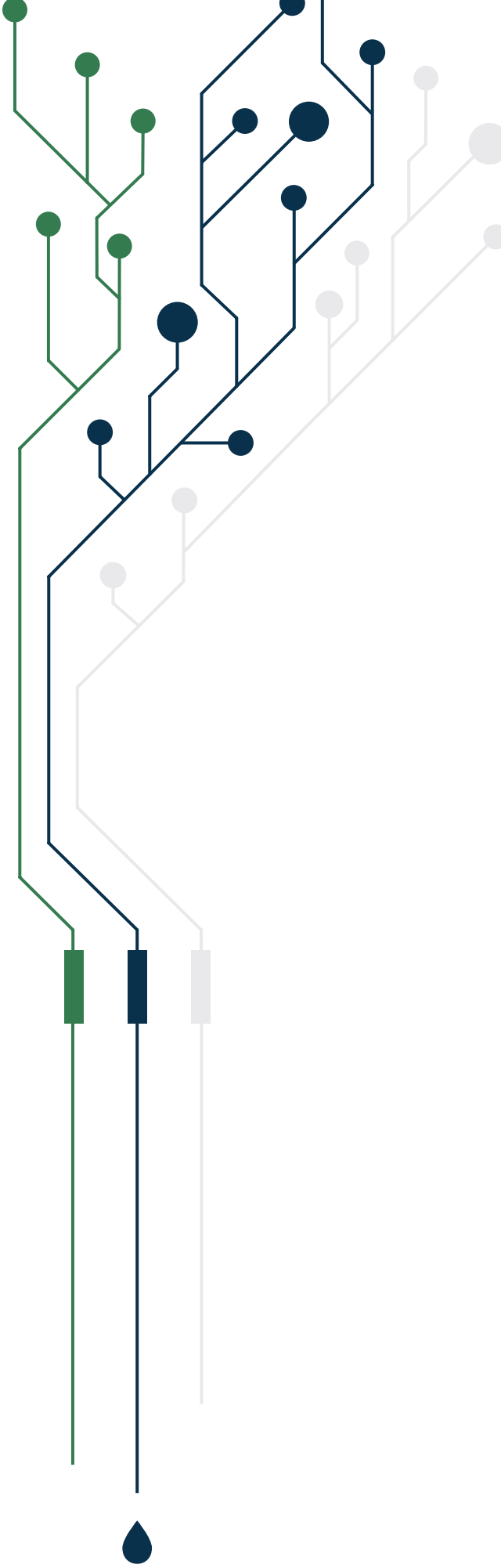
TEACH SPIKE SOME NEW TRICKS.



LEARN ABOUT OMNISITE PRODUCTS AND OUR GUARDDOG SOFTWARE WITH FREE TUTORIALS AVAILABLE ON OUR YOUTUBE CHANNEL.

WWW.YOUTUBE.COM/OMNISITE

GuardDog



CELLULAR WIRELESS SERVICE

All of OmniSite's products are cellular based – much like a personal cell phone. Therefore our products require an active cellular plan to deliver alarms and notifications. Prices for cellular service are available through your local OmniSite sales representative. Service is directly billed to the end user/customer annually. The cost of service includes access to GuardDog, our cloud-based data collection and alarm software. GuardDog is available on both web-based and mobile app platforms.

Order Options and Information

Standard 1 Year Wireless Service with Reporting Every 24 Hours
Part Number: S-WS-CX-STD1

Standard 2 Year Wireless Service with Reporting Every 24 Hours
Part Number: S-WS-CX-STD2

Standard 3 Year Wireless Service with Reporting Every 24 Hours
Part Number: S-WS-CX-STD3

Elite 1 Year Wireless Service with Reporting Every 15 minutes
Part Number: S-WS-CX-ELT1

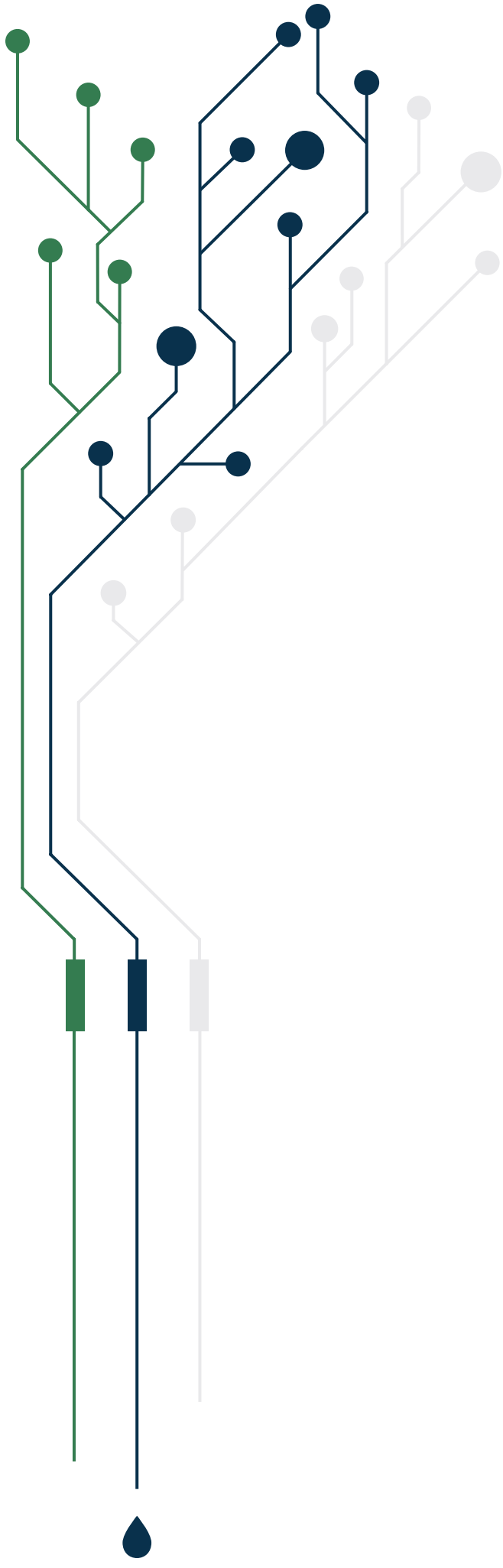
Elite 2 Year Wireless Service with Reporting Every 15 minutes
Part Number: S-WS-CX-ELT2

Elite 3 Year Wireless Service with Reporting Every 15 minutes
Part Number: S-WS-CX-ELT3

OmniBeacon 1 Year Wireless Service
Part Number: S-WS-SL-STD1

OmniBeacon 2 Year Wireless Service
Part Number: S-WS-SL-STD2

OmniBeacon 3 Year Wireless Service
Part Number: S-WS-SL-STD3



REPAIR POLICIES

Our ‘No Hassle’ Repair Policy ——— 66

Order Options and Information ——— 66

OmniAdvantage Plan ——— 67

Our 'No Hassle' Repair Policy

The primary cost component in all our products is the "motherboard." This is the electronic printed circuit board that orchestrates most of the product's functions. If we find your product's motherboard has failed, then we will replace your entire product for a standard replacement price. This is our '**No Hassle' Repair Policy**. Regardless of the product's age, we will replace your product.

Other Repairs Policy

If the repair is for any items other than the motherboard, we will invoice you our flat-rate repair fee.

To return a product to OmniSite for repairs:
Call or email our technical support line and receive an RMA number (Returned Material Authorization).

Prior to shipping product to OmniSite on RMA, the person(s) who will be responsible for repair fees (either the customer or their area sales representative) must issue a purchase order number to OmniSite. Upon receipt of the returned product on RMA, OmniSite will determine the cause of the fault and provide a quote for the necessary repair or recommended replacement. All repair or replacement assessments are at OmniSite's discretion.

Order Options and Information

REPAIR TIER #1
If the primary motherboard on an XR50, Viper, or Crystal Ball is damaged for any product, get an entirely new product (of same type, or upgrade at OmniSite's discretion) if more than two years old (price includes return shipping to customer).

REPAIR TIER #2
All other repairs for XR50 and Crystal Ball related to power supply, radio, radio carrier board, LCD display, and other misc, OR your product is NOT more than 2 years old (price includes return shipping to customer).

REPAIR TIER #3
All repairs for OmniBeacon Product, which is our lower cost product, are billed at a flat fee regardless of parts used.

R-RD-CX/CV (VZW OR ATT)
Radio upgrade Kit for XR50, Crystal Ball or Viper - must specify product model and unit number for radio kit upgrade.

R-RD-OB (VZW OR ATT)
Radio upgrade Kit for OmniBeacon- must specify product version (SmarteLight or OmniBeacon) and unit number for radio kit upgrade.

OmniAdvantage Plan

Put an end to repair and replacement costs with the OmniAdvantage plan. This annual subscription plan covers repairs and replacements on your device for the length of the subscription.

As an OmniAdvantage Plan member you get:

- Lifetime Product Updates
- Lifetime Radio Upgrades
- Free Software Upgrades and Full-Featured GuardDog 2 Mobile App
- GuardDog Web Browser Setup and Priority Support
- Professional Training

Want to learn more?
Contact one of our OmniAdvantage experts at 317-885-6330 ext: 137,
or email omniadvantage@omnisite.com. Visit www.omnisite.com/omniadvantage for more details.

Order Information: **Part Number:** S-OA-PLAN

Description	OmniAdvantage	Basic
Lifetime Product Warranty Zero RMA costs, we'll repair or replace any defect. Exclusions apply. (See OmniAdvantage Limited Warranty Statement.)	✓	Inspection Fee Starting at $129 per RMA
Lifetime Radio Upgrades We'll replace your radio at no additional cost due to failure or network sunset. Exclusions apply. (See the OmniAdvantage Terms & Conditions.)	✓	Restrictions Apply Starting at $299 per Radio
Professional Training Free in-house and webinar training available to your employees.	✓	Webinar Training Only
Priority Support and GuardDog Setup Will return all calls and emails same day if received by 4p EST. Free device setup by our Support Team.	✓	-
GuardDog 2.0 Full Featured Mobile App Our full featured app allows device setup, callout list customization and reporting.	✓	-
Free standard support Access to phone queue and email support. Return emails within 2 business days.	✓	✓
Web-based Device Management Software GuardDog Web is a full featured device setup and management software package.	✓	✓
1 Year Limited Warranty on New Products Covers new products for 1 Year after activation. Exclusions apply. See Standard Warranty Statement.	✓	✓

NOTE: OmniAdvantage plan must be applied account-wide and cannot be assigned by device.

CONTACT US

ADDRESS

203 W. Morris St.
Indianapolis, IN 46225

PHONE

Sales : 317-885-6330 x 4
Support : 317-885-6330 x 3
Main : 317-885-6330

EMAIL / WEB

sales@omnisite.com
support@omnisite.com
www.OmniSite.com/products

V.1 ©2020

OmniSite