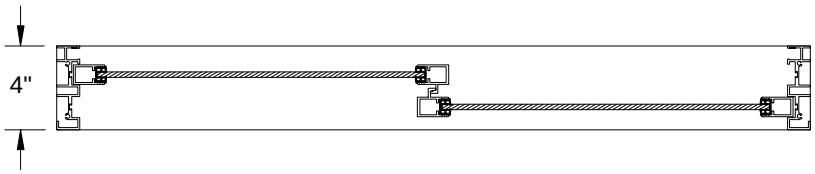
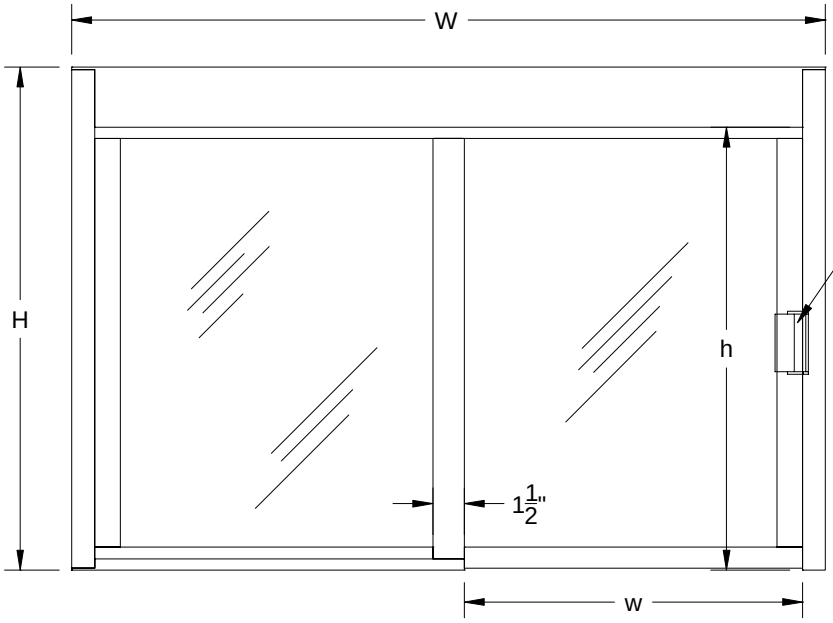
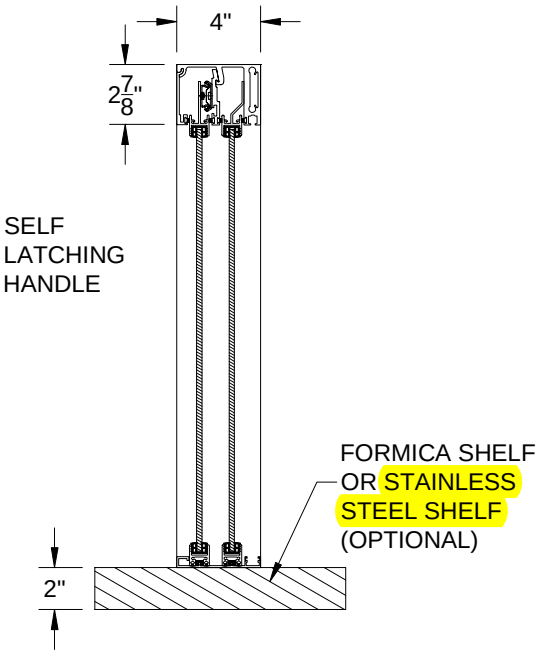
DELUXE SLIDING WINDOW
DW1800



TOP VIEW



FRONT VIEW- CLERK'S SIDE
HALF TRACK SHOWN, ALSO AVAILABLE WITH FULL BOTTOM TRACK



SIDE VIEW

SPECIFICATIONS:

FOR HEAVY DUTY OR COMMERCIAL USE, EACH UNIT IS CUSTOM FABRICATED TO FIT MOST OPENINGS. NO SCREEN

SECTIONS: EXTRUDED ALUMINUM 6063-T6. FRAME HAS A NARROW DEPTH OF 4". CENTER SITELINE HAS NARROW 1 1/2" FRAME. WINDOW: TOP RAIL, BOTTOM RAIL, CENTER AND END STILES 15/16". WEATHER PROOF POLY-PILE PROVIDED AS INDICATED.

MECHANICS: HEAVY DUTY BALL BEARING CARRIER FOR SLIDING WINDOW.

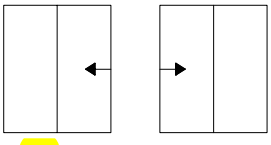
GLAZING: 1/4"-1/2" TEMPERED, LAMINATED, TINTED, WIRE GLASS OR 1/2" INSULATING GLASS.

FINISH: AVAILABLE IN SATIN ANODIZED(A), DURANODIC BRONZE(DU), ANY OF THE 187 RAL POWDER PAINT COLORS, OR CUSTOM KYNAR PAINT COLORS(P).

OPTIONS: FORMICA SHELF, STAINLESS STEEL SHELF, OR OPEN COUNTER AREA, KEYED LOCK POSITION VARIES FOR DIFFERENT UNITS, BURGLAR BAR FOLDS INTO THE JAMB, DEAL TRAY.

CUSTOM UNITS AVAILABLE

AVAILABLE CONFIGURATIONS



OX XO

AS VIEWED FROM CLERKS SIDE

TRANSACTION HARDWARE

C.R. Laurence Architectural Products

Phone Orders (800) 421-6144
Fax Orders (800) 262-3299
WWW.CRLAURENCE.COM
Patent Pending

L&M Construction Chemicals, Inc.

TEC DATA

DRESS & SEAL WB™
DRESS & SEAL WB30™

Water-Based, Acrylic Copolymer Cure, Sealer and Dustproofer

MANUFACTURER
L&M Construction Chemicals, Inc.
14851 Calhoun Road
Omaha, NE 68152
Phone: 402-453-6600
FAX: 402-453-0244
Website: www.lmcc.com

PRODUCT DESCRIPTION

DRESS & SEAL WB formulations are water-based, low VOC, acrylic copolymer solutions that cure, seal and dustproof concrete without yellowing. The tough film locks in moisture, curing the concrete for maximum hardness. These clear, fast drying, sprayable liquids are equally effective on interior as well as exterior surfaces.

DRESS & SEAL WB formulations have a very low odor and dry to form a clear, medium to high gloss, protective film that is highly resistant to blushing. They adhere well to sound concrete surfaces and have excellent barrier properties, particularly to jobsite contaminants, dirt, and a variety of mild chemicals.

Basic Use: **DRESS & SEAL WB and WB 30** are recommended for use in applications where low odor and/or VOC compliance is required, and where positive sealing and dustproof performance are demanded, such as: warehouses, office buildings, driveways, sidewalks, municipal buildings and food processing plants. **DRESS & SEAL WB**-treated surfaces are compatible with most paints and tile adhesives after a proper curing period of seven days or more.

FEATURES & BENEFITS

- *Low odor.*
- *Excellent curing and sealing properties.*
- *VOC compliant formulations.*
- *Compatible with most tile adhesives and paints.*
- *Seals out jobsite dirt and mortar drippings.*
- *Easy to spray and apply.*

ESTIMATING

DRESS & SEAL WB comes in 1 gallon (3.8-liter), 5-gallon (18.9-liter) and 55-gallon (208-liter) containers. Containers are identified with product name and batch code.

Typical Coverage Rates:
First coat, curing - 200-300 ft^2/gal (5 to 7 m^2/liter)
Second coat, sealing - 400-600 ft^2/gal (10-15 m^2/liter)

TECHNICAL DATA

Applicable Standards:
ASTM C 309, Type 1, 1D
ASTM C 1315, Type 1, Class A ***(DRESS & SEAL WB 30)***
USDA Accepted
VOC Compliant

Typical Properties:	**WB**	**WB30**
Total Solids, % Minimum	15	30
Coverage Rate, ASTM C 156 Ft^2/gal(m^2/L)	200(5)	300(7.5)
Unit Moisture Loss, ASTM C 309 (kg/m^2 @ 72 hrs.)	<0.55	<0.4
Alkali Resistance, (hours), minimum	>50	>75
Weathering, (days)	>21	>28
Salt Spray, 5% @ 95°F(35°C), hrs	>500	>750
Surface Gloss	Medium	High
Ultraviolet Resistance, 1000 hrs.	0	0
VOC, grams/liter, max.	<170	<170
Complies with:		
ASTM C 309	Yes	Yes
ASTM C 1315	No	Yes

INSTALLATION

Fresh Concrete: Concrete must be free of oil, dirt, waxes or other foreign material. Stir well before using. Apply with low pressure spray or applicator after surface water glaze disappears. Apply two uniform, thin coats directly from container. Do not dilute or puddle. Allow first coat to dry to touch before applying second coat, maximum 3 hours between coats.

Hardened concrete: Degrease and clean surfaces of all contaminants with **L&M CITREX**. Dampen the concrete and broom out all standing water immediately prior to application. Apply two uniform coats of **DRESS & SEAL WB** without puddling. Allow 2-3 hours between coats. Very porous or worn concrete may require additional coats.

Clean-up: Flush applicator equipment with soapy water before sealer dries. After it dries, use aromatic solvent.

FOR BEST RESULTS:

- Drying of **DRESS & SEAL WB** products is accomplished by the simultaneous evaporation of water and volatile organic components. For proper film development, apply only when the surface temperature is above 45°F (7°C) and the relative

DRESS & SEAL WB•WB30

humidity is below 80%. Failure to follow the guidelines may result in a mottled appearance.

- Dampen the concrete and broom out all standing water immediately prior to application.
- Apply in thin, even coats. Enhanced air circulation is desired to improve the drying rate and film properties and to remove minimal organic solvent vapors.
- These products are to be removed prior to subsequent installation of cementitious toppings, or application of chemical hardeners, penetrating sealers or coatings.
- **DO NOT FREEZE.** Do not store or apply in subfreezing weather unless properly protected. Freezing will cause this product to become useless.
- Avoid long-term exposure to standing water. **DRESS & SEAL WB and WB 30** film may turn white when exposed to standing water. Remove water and allow to dry. Visible white haze my remain for some time on dark colored concrete.
- If a waterproof membrane or rising dampness underlies the concrete floor, some discoloration may appear under the acrylic membrane and will be apparent for some time due to the slow release of the water in the concrete.
- Do not dilute.
- **DRESS & SEAL WB and WB 30** film gloss will fade in exterior applications. Periodic, light applications are recommended to maintain gloss and protection. Lightly abrade shiny surfaces before reapplication.
- On colored concrete, try a test patch to check for possible mottling.

PRECAUTIONS

Contains minimal organic carriers. Use with adequate ventilation. Wear protective gloves and goggles. Remove foodstuffs from application area prior to installation.

Please refer to Product Material Safety Data Sheet (MSDS) before using.

STORAGE/SHELF LIFE

DRESS & SEAL WB and WB 30 containers are to be kept tightly sealed. Store in a clean dry area at temperatures between 45°-85°F. (6°-29°C). Shelf life is one year in factory-sealed containers when properly stored. Do not freeze.

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

SHORT SPEC

033000: Acrylic curing and sealing compound: Acrylic curing compound; shall conform to ASTM C 309, be VOC compliant, and meet all local air quality regulations. "**DRESS & SEAL WB**" as manufactured by L&M Construction Chemicals, Inc.

033000: High solids, acrylic curing and sealing compound: Minimum 25% non-yellowing, acrylic solids curing compound; shall conform to ASTM C 309 and ASTM C 1315, Type I, Class A, be VOC compliant, and meet all local air quality regulations. "**DRESS & SEAL WB 30**" as manufactured by L&M Construction Chemicals, Inc..

LIMITED WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

For Professional Use Only.

101.76

HARMONY®

INTERIOR LATEX EG-SHEL

B09-500 SERIES

As of 02/02/2011, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 SC	Yes
MPI #	144, 145	LEED® H	Yes
NGBS	Yes		

CHARACTERISTICS

Harmony Interior Latex Eg-Shel provides a durable, low-odor, anti-microbial*, interior paint formulated without silica.
You can use this product, without typical odor complaints, in **occupied** areas because of the very low odor during application and drying.
In addition, this product is specially formulated with odor-reducing properties to help reduce common household odors.

Color: Most Colors
Coverage: 350-400 sq ft/gal @ 4 mils wet; 1.8 mils dry
Drying Time, @ 77°F, 50% RH:
Touch: 1 hour
Recoat: 4 hours
Drying and recoat times are temperature, humidity, and film thickness dependent
Flash Point: N/A
Finish: 10 - 20 units @ 85°
Tinting with Blend-A-Color:

Base	oz/gal	Strength
Extra White	0-5	125%
Deep Base	4-12	125%

Addition of Blend-A-Color Tinting Color may increase the VOC.
Vehicle Type: EVA
B09W00551
VOC (EPA Method 24):
0 g/L; 0.0 lb/gal
Volume Solids: 43 ± 2%
Weight Solids: 58 ± 2%
Weight per Gallon: 11.3 lb

* Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

SPECIFICATIONS

Block
1 ct. Loxon Block Surfacer*
2 cts. Harmony Interior Latex Eg-Shel

Drywall
1 ct. Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Eg-Shel

Masonry
1 ct. Loxon Concrete & Masonry Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Eg-Shel

Plaster
1 ct. Premium Wall & Wood Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Eg-Shel

Wood, Composition Board
1 ct. Premium Wall & Wood Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Eg-Shel

* These primers contain relatively low amounts of VOCs, but could result in minor, noticeable odors.

To optimize hide and color developement, always use the reccommended P-Shade primer

*Our Green Sure® designation means this high performance product was designed and manufactured taking steps to reduce environmental impact and to meet or exceed the most stringent regulatory requirements.
To learn more, visit swgreensure.com.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.

Drywall
Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

continued on back

101.76

HARMONY®

INTERIOR LATEX EG-SHEL

B09-500 SERIES

SURFACE PREPARATION

Plaster
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Mildew
Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking
Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

APPLICATION

Apply at temperatures above 50°F.
No reduction necessary.
Brush—Use a nylon/polyester brush.
Roller—Use a 3/8" - 3/4" nap Soft Woven cover
Spray—Airless
Pressure ..... 2000 psi
Tip ..... .015"-.021"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For interior use only.
Non-photochemically reactive.

CAUTIONS
Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
HOTW 11/10/2010 B09W00551 03 00

108.23

HARMONY®

INTERIOR LATEX PRIMER

B11W500

As of 10/09/10, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
MPI Spec #	No	LEED® H	Yes
NAHB	Yes	LEED® Schools	Yes

CHARACTERISTICS

Harmony® Interior Latex Primer is a low-odor, anti-microbial*, interior primer formulated without silica.
You can use this product, without typical odor complaints, in **occupied** areas because of the very low odor during application and drying.
In addition, this product is specially formulated with odor-reducing properties to help reduce common household odors.

Color: White
Coverage: 350 - 400 sq ft/gal @ 4 mils wet; 1.3 mils dry
Drying Time, @ 77°F, 50% RH:
Drying and recoat times are temperature, humidity and film thickness dependent.
Touch: 1 hour
Recoat: 4 hours
Flash Point: N/A
Finish: 0 - 5 units @ 85°
Vehicle Type: EVA
B11W00500
VOC (EPA Method 24):
0 g/L; 0.0 lb/gal
Volume Solids: 33 ± 2%
Weight Solids: 52 ± 2%
Weight per Gallon: 11.6 lb

Water Vapor Permeance
ASTM E96 A 6.9 perms

Tinting - For best color development, use the recommended "P"-shade primer. If desired, up to 4 oz per gallon of Blend-A-Color Toner can be used to approximate the topcoat color. Check color before use. Addition of Blend-A-Color Tinting Toner may increase the VOC.

* Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

SPECIFICATIONS

This primer has been designed for use with the Harmony Interior Latex topcoats providing a complete low odor/zero VOC system.
If desired, you can topcoat with any Sherwin-Williams interior latex or oil architectural topcoat

APPLICATION

Use at temperatures above 50°F.
No reduction necessary.
Brush - Use a nylon/polyester brush.
Roller - Use a 3/8" - 3/4" nap synthetic cover.
Spray - Airless
Pressure ..... 2000 psi
Tip ..... .017"-.021"

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. Flush spray equipment after cleaning with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.

Drywall
Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

continued on back

108.23

HARMONY®

INTERIOR LATEX PRIMER

B11W500

SURFACE PREPARATION

Plaster
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Mildew
Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking
Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

CAUTIONS

CAUTIONS
Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
HOTW 10/01/2010 B11W00500 11 00

101.77

HARMONY®

INTERIOR LATEX SEMI-GLOSS

B10-500 SERIES

As of 02/02/2011, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 SC	Yes
MPI #	147	LEED® H	Yes
NGBS	Yes		

CHARACTERISTICS

Harmony Interior Latex Semi-Gloss provides a durable, low-odor, anti-microbial*, interior paint formulated without silica. You can use this product, without typical odor complaints, in **occupied** areas because of the very low odor during application and drying.
In addition, this product is specially formulated with odor-reducing properties to help reduce common household odors.

Color: Most Colors
Coverage: 350-400 sq ft/gal @ 4 mils wet; 1.6 mils dry
Drying Time, @ 77°F, 50% RH:
Touch: 1 hour
Recoat: 4 hours
Drying and recoat times are temperature, humidity, and film thickness dependent
Flash Point: N/A
Finish: 35 - 45 units @ 60°
Tinting with Blend-A-Color:

Base	oz/gal	Strength
Extra White	0-5	100%

Addition of Blend-A-Color Tinting Color may increase the VOC.
Vehicle Type: Styrenated Acrylic/EVA
B10W00551
VOC (EPA Method 24):
0 g/L; 0.0 lb/gal
Volume Solids: 45 ± 2%
Weight Solids: 57 ± 2%
Weight per Gallon: 10.6 lb

* Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

SPECIFICATIONS

Block
1 ct. Loxon Block Surfacer*
2 cts. Harmony Interior Latex Semi-Gloss

Drywall
1 ct. Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Semi-Gloss

Masonry
1 ct. Loxon Concrete & Masonry Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Semi-Gloss

Plaster
1 ct. Premium Wall & Wood Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Semi-Gloss

Wood, Composition Board
1 ct. Premium Wall & Wood Primer*
or Harmony Interior Latex Primer
2 cts. Harmony Interior Latex Semi-Gloss

* These primers contain relatively low amounts of VOCs, but could result in minor, noticeable odors.

To optimize hide and color developement, always use the reccommended P-Shade primer

*Our Green Sure® designation means this high performance product was designed and manufactured taking steps to reduce environmental impact and to meet or exceed the most stringent regulatory requirements.
To learn more, visit swgreensure.com.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer.

Drywall
Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block
All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

continued on back

101.77

HARMONY®

INTERIOR LATEX SEMI-GLOSS

B10-500 SERIES

SURFACE PREPARATION

Plaster
Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood
Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

Mildew
Remove before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.

Caulking
Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

APPLICATION

Apply at temperatures above 50°F.
No reduction necessary.
Brush—Use a nylon/polyester brush.
Roller—Use a 3/8" - 3/4" nap synthetic roller cover.
Spray—Airless
Pressure ..... 2000 psi
Tip ..... .013"-.017"

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

CAUTIONS
Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.
HOTW 11/10/2010 B10W00551 03 00

PRO INDUSTRIAL™

113.10

Industrial Enamel 100

B54Z-200 Series

As of 03/01/2011, Complies with:

OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
MPI Spec #	No	LEED® 09 H	Yes
NAHB	Yes		

CHARACTERISTICS

Pro Industrial Industrial Enamel 100 is a high solids, less than 100 g/L VOC, alkyd, gloss topcoat. It is easy to apply by brush, roll, or spray and is intended for interior/exterior use in industrial and commercial applications.

- Chip and flake resistant
- Abrasion resistant
- Exterior and interior applications
- Exhibits good exterior color and gloss retention
- Provides greater flexibility than other alkyds
- HAPS free
- Suitable for use in USDA inspected facilities

Color: most colors

Recommended Spread Rate per coat:

Wet mils:	2.5 - 4.0*
Dry mils:	2.2 - 3.5
Coverage:	400 - 630 sq ft/gal approximate

*Do not exceed 6.0 mils wet film thickness

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule 2.6 mils wet @ 50% RH:

	@ 50°F	@ 77°F	@ 120°F
To touch:	7 hrs	5 hrs	1.5 hrs
To handle:	10 hrs	7 hrs	5 hrs
To recoat:	24 hrs	16 hrs	12 hrs
To cure:	10 days	7 days	5 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: Gloss

Flash Point: 101°F, PMCC

Tinting with Blend-A-Color:

Base	oz/gal	Strength
Extra White	0-6	150%
Deep Base	6-18	150%
Ultradeep Base	6-18	150%

B54WZ211 (may vary by color)

VOC (EPA Method #24):

Unreduced <100 g/L; <0.83 lb/gal

Volume Solids: 87 ± 2%

Weight Solids: 92 ± 2%

Weight per Gallon: 10.7 lb/gal ±2%

CHARACTERISTICS

Steel (Acrylic Primer):
1 ct. Pro Industrial ProCryl Primer
1-2 cts. Pro Industrial Industrial Enamel 100

Steel (Alkyd Primer):
1 ct. Kem Bond Universal Primer
1-2 cts. Pro Industrial Industrial Enamel 100

Concrete Block:
1 ct. Heavy Duty Block Filler
1-2 cts. Pro Industrial Industrial Enamel 100

Aluminum:
1 ct. DTM Wash Primer
1-2 cts. Pro Industrial Industrial Enamel 100

Galvanized Metal:
1 ct. Galvite HS
1-2 cts. Pro Industrial Industrial Enamel 100

Interior Plaster and Poured Concrete Walls:
1 ct. Loxon Masonry Primer
1-2 cts. Pro Industrial Industrial Enamel 100

Drywall:
1 ct. ProGreen 200 Latex Primer
1-2 cts. Pro Industrial Industrial Enamel 100

Wood:
2 cts. Pro Industrial Industrial Enamel 100

System Tested: (unless otherwise indicated)

Substrate:		Steel
Surface Preparation:		SSPC-SP6
Primer:	1 ct.	Pro Industrial ProCryl Primer
Finish	1 ct.	Pro Industrial Industrial Enamel 100

Abrasion, topcoat only:
Method: ASTM D4060,CS17 Wheel, 1000 cycles, 1 Kg load
Result: 180 mg loss

Adhesion, topcoat only:
Method: ASTM D4541
Result: 600 psi

Direct Impact Resistance, topcoat only:
Method: ASTM D2794
Result: 60 in. lbs.

Dry Heat Resistance, topcoat only:
Method: ASTM D2485
Result: 200°F (discolors)

Exterior Durability:
Method: 1 year at 45° South
Result: Good

Flexibility, topcoat only:
Method: ASTM D522, 180° bend, 1/2" mandrel
Result: Passes

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 500 hours
Result: Passes

Pencil Hardness, topcoat only:
Method: ASTM D3363
Result: 4B

Salt Fog Resistance:
Method: ASTM B117, 500 hours
Result: Passes

Thermal Shock:
Method: ASTM 02246, 10 cycles
Result: Passes

continued on back

PRO INDUSTRIAL™
INDUSTRIAL ENAMEL 100

SHERWIN-WILLIAMS®

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Iron & Steel
Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

Aluminum
Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required.

Galvanized Steel
Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned. Primer required.

Masonry and Concrete
For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F. Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Primer required. Fill bug holes, air pockets and other voids with ArmorSeal Crack Filler. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Laitance must be removed by etching with a 10% muriatic acid solution and thoroughly neutralized with water. Brick must be allowed to weather for one year prior to surface preparation and painting. Primer required.

Wood
Surface must be clean, dry, and sound. Paint as soon as possible. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Self priming.

Previously Painted Surfaces
If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this product attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

APPLICATION

Refer to the MSDS sheet before use

Temperature:	50°F minimum
	120°F maximum
	(Air, surface, and material)
	At least 5°F above dew point
Relative humidity:	85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer	Exempt Solvent 221,R6K221
Clean Up	Mineral Spirits, R1K4

Airless Spray

Pressure	3200 psi
Hose	3/8" ID
Tip	.017"-.021"
Filter	60 mesh
Reduction	As needed up to 10% by volume

Conventional Spray

Gun	Binks 95
Fluid Nozzle	66
Air Nozzle	63PB
Atomization Pressure	50 psi
Fluid Pressure	20-25 psi
Reduction	As needed up to 10% by volume

Brush

Brush	Nylon/Polyester or Natural Bristle
Reduction	not recommend

Roller

Cover	1/4"-woven with solvent resistant core
Reduction	not recommend

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with Mineral Spirits, R1K4. Clean tools immediately after use with Mineral Spirits, R1K4. Follow manufacturer's safety recommendations when using any solvent.

LightHAWK™ Occupancy/Vacancy Sensors

Wall Switch Sensors featuring IntelliDAPT™

LightHAWK LHMTS

OVERVIEW

The LightHAWK passive infrared, ultrasonic and dual technology wall switch occupancy sensors represent the state-of-the-art in sensor technology. All LightHAWK sensors feature IntelliDAPT technology that continuously analyzes the environment and self-adapts, eliminating the need for manual sensitivity and timer adjustments. These superior sensors offer selectable operating modes — Auto On or Manual On — as well as a built-in photosensor for automatic daylight harvesting.

FEATURES

- IntelliDAPT technology
- No Neutral Required
- Auto ON or Manual ON operating modes
- Title-24 Compliant
- Enhanced daylighting controls
- Coverage up to 1000 sq. ft. (depending on model)
- Dual 120/277 VAC operation
- No minimum load requirement
- Zero Arc Point Switching

ORDERING INFORMATION

LH				
MODEL	**TECHNOLOGY**	**CONTROL**	**NO. OF BUTTONS**	**BUTTONS**
LH LightHAWK™	MT Multitech	S Single Circuit	1	W White
	US Ultrasonic	D Dual Circuit	2	I Ivory
	IR Passive Infrared		0	A Light Almond
				G Gray
				B Black

ADDITIONAL PRODUCT IMAGES

LightHAWK LHMTD

LightHAWK LHUSS

LightHAWK LHUSD

LightHAWK LHIRS

LightHAWK LHIRD

White

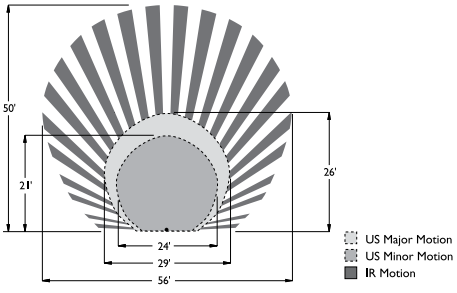
Ivory

Light Almond

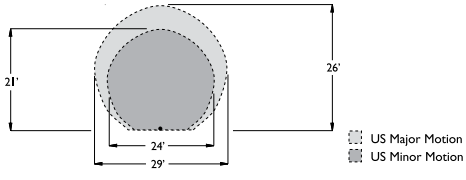
Gray

Black

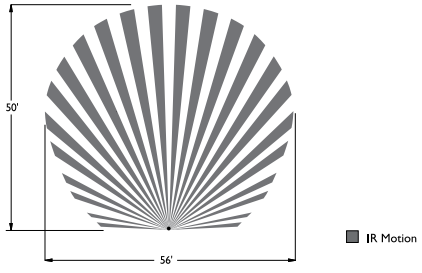
DIMENSIONS



LHMT Range Diagram



LHUS Range Diagram



LHIR Range Diagram IR only

HUBBELL Building Automation, Inc.

LightHAWK™ Occupancy/Vacancy Sensors

Wall Switch Sensors featuring IntelliDAPT™

LightHAWK LHMTS

OVERVIEW

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MODEL	**TECHNOLOGY**	**CONTROL**	**NO. OF BUTTONS**	**BUTTONS**
LH LightHAWK™	**MT** Multitech	**S** Single Circuit	**1**	**W** White
	US Ultrasonic	**D** Dual Circuit	**2**	**I** Ivory
	IR Passive Infrared		**0**	**A** Light Almond
				G Gray
				B Black

ADDITIONAL PRODUCT IMAGES

LightHAWK LHMTD

LightHAWK LHUSS

LightHAWK LHUSD

LightHAWK LHIRS

LightHAWK LHIRD

White

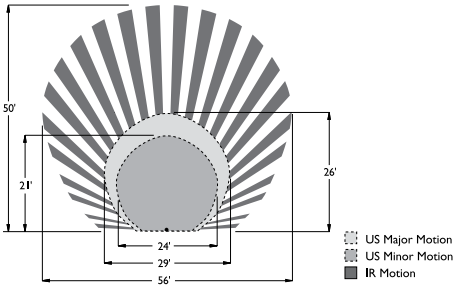
Ivory

Light Almond

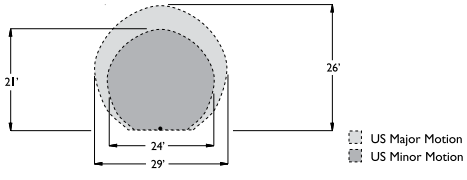
Gray

Black

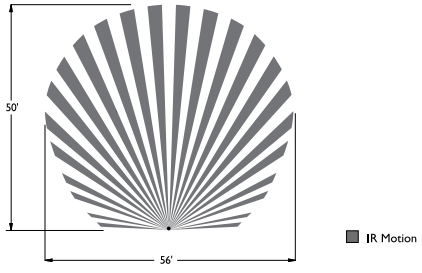
DIMENSIONS



LHMT Range Diagram



LHUS Range Diagram



LHIR Range Diagram IR only

HUBBELL Building Automation, Inc.

OMNI™ Occupancy Sensors

Ceiling Mount Sensors featuring IntelliDAPT™

OVERVIEW

OMNI ceiling mount occupancy sensors employ a combination of passive infrared, ultrasonic and IntelliDAPT technologies to provide unequaled occupancy detection and false trip immunity. OMNI sensors are available with optional relay control for use with Building Automation Systems, and a photosensor for automatic daylight harvesting.

FEATURES

- IntelliDAPT technology
- Non-volatile memory for sensor settings
- Coverage up to 2,000 sq. ft. (depending on model)
- Optional relay and photocell control
- Optional Quick To Install (QTI) connector

OMNIDT | OMNIDTRP

ORDERING INFORMATION

OMNI

MODEL	TECHNOLOGY	COVERAGE	RELAY/PHOTOCELL OPTION	QTI
OMNI	DT Dual Technology	500 500 sq. ft.	RP Relay & Photocell	QTI Quick to Install
	US Ultrasonic	1000 1,000 sq. ft.	Blank No Option	Blank No QTI
	IR Passive Infrared	2000 2,000 sq. ft.		
	DIA Dual Technology Acoustic & Passive Infrared	L Long Range IR		

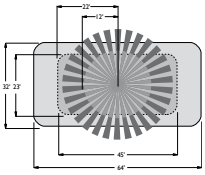
ADDITIONAL PRODUCT IMAGES

OMNIUS | OMNIUSRP

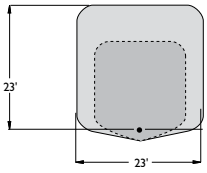
OMNIIR | OMNIIRP

OMNIDIA | OMNIDIARP

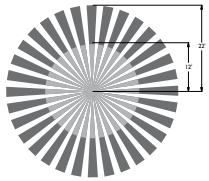
DIMENSIONS



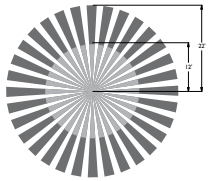
OMNIDT2000 Range Diagram



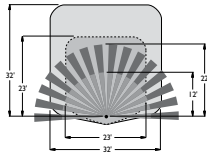
OMNIUS500 Range Diagram



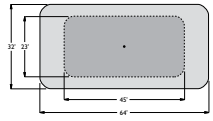
OMNIIR Range Diagram



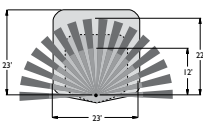
OMNIDIA Range Diagram



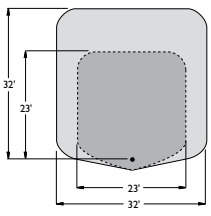
OMNIDT500 Range Diagram



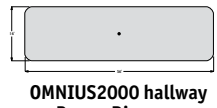
OMNIUS2000 Range Diagram



OMNIDT500 Range Diagram



OMNIDT1000 — Range Diagram



OMNIUS2000 hallway Range Diagram

HUBBELL Building Automation, Inc.

OMNI™ Occupancy Sensors

Ceiling Mount Sensors featuring IntelliDAPT™

OVERVIEW

OMNI ceiling mount occupancy sensors employ a combination of passive infrared, ultrasonic and IntelliDAPT technologies to provide unequaled occupancy detection and false trip immunity. OMNI sensors are available with optional relay control for use with Building Automation Systems, and a photosensor for automatic daylight harvesting.

FEATURES

- IntelliDAPT technology
- Non-volatile memory for sensor settings
- Coverage up to 2,000 sq. ft. (depending on model)
- Optional relay and photocell control
- Optional Quick To Install (QTI) connector

OMNIDT | OMNIDTRP

ORDERING INFORMATION

OMNI

MODEL	TECHNOLOGY	COVERAGE	RELAY/PHOTOCELL OPTION	QTI
OMNI	DT Dual Technology	500 500 sq. ft.	RP Relay & Photocell	QTI Quick to Install
	US Ultrasonic	1000 1,000 sq. ft.	Blank No Option	Blank No QTI
	IR Passive Infrared	2000 2,000 sq. ft.		
	DIA Dual Technology Acoustic & Passive Infrared	L Long Range IR		

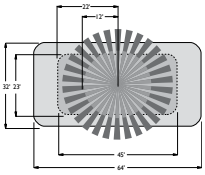
ADDITIONAL PRODUCT IMAGES

OMNIUS | OMNIUSRP

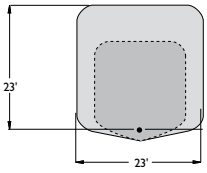
OMNIIR | OMNIIRP

OMNIDIA | OMNIDIARP

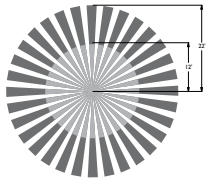
DIMENSIONS



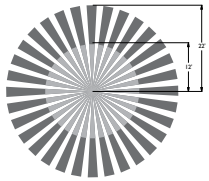
OMNIDT2000 Range Diagram



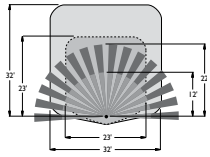
OMNIUS500 Range Diagram



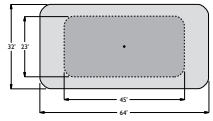
OMNIIR Range Diagram



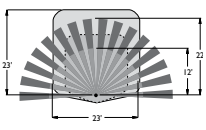
OMNIDIA Range Diagram



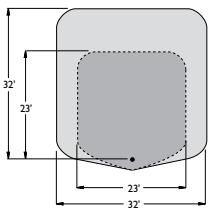
OMNIDT500 Range Diagram



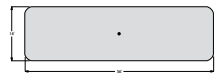
OMNIUS2000 Range Diagram



OMNIDT500 Range Diagram



OMNIDT1000 — Range Diagram



OMNIUS2000 hallway Range Diagram

HUBBELL Building Automation, Inc.

COMMERCIAL OCCUPANCY SENSORS & CONTROLS

TS-400 Digital Time Switch

PROJECT

LOCATION/TYPE

Product Overview

Description

The InteliSwitch TS-400 series digital time switches automatically turn lights off after a preset time. The simple pushbutton operation provides users with convenient time out lighting control without the nuisance of twist timers.

Operation

The TS replaces an existing wall switch. The TS-400 operates between 100 and 300 volts. Pressing the TS's on/off button turns lights on. The lights will remain on for the duration of the time-out setting which is adjustable from 5 minutes to 12 hours. Lights can be turned off before the time-out setting expires by pressing the on/off button. Also, the unit can be reset at any time by holding down the on/off button for 2 seconds. This will bring the timer back to its original time out setting and restart the countdown.

Time Scroll Overrides

The time scroll option allows users to temporarily override the time out setting without adjusting the settings. Time scroll is selected with the calibration button. With time scroll programmed to "UP", lights can be held on longer than the time out period. With time scroll programmed to down "DN", lights can be turned off sooner than the time out period. Pressing the on/off switch for more than 4 seconds causes the timer to scroll in the set direction throughout the possible time out settings.

Applications

The TS is an ideal lighting control choice in equipment rooms, storage areas, and closets.

Features

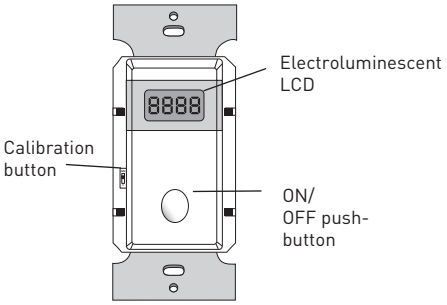
- Time-out settings range from 5 minutes to 12 hours for flexibility in fitting many applications
- Optional flash and beep warnings allow time to reset the switch if someone is present
- Time scroll option provides temporary override of the preset time out period
- Simple reset feature for returning the switch to its original preset time-out setting
- Electroluminescent back-lit LCD shows timer countdown
- Terminal style wiring simplifies installation
- Zero crossing reduces stress on the relay and increases product longevity
- Pushbutton programming gives the TS an easy set up process
- Setting the time-out for 2 hours and time scroll to down allows Title 24 compliance for using override switches
- Compatible with decorator wall plates
- Qualifies for ARRA-funded public works projects

Specifications

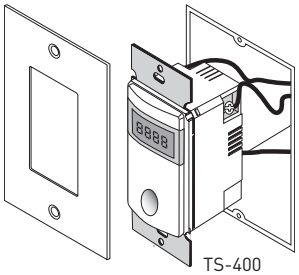
- TS-400: 120/277 VAC; 50/60 Hz
- Time-out adjustments range from 5 minutes to 12 hours (5 minute increments to 1 hour, then 15 minute increments to 12 hours)
- Optional visual warning: flashes lights at 5 minutes and 1 minute prior to time-out
- Optional audible warning: beeps every 5 seconds at 1 minute prior to time-out
- No minimum load requirement
- Compatible with all electronic ballasts and motor loads
- Dimensions: 2.66" x 1.79" x 1.76" (67.5mm x 45.5mm x 44.7mm)
- UL and cUL listed
- Five year warranty

Controls & Installation

Product Controls

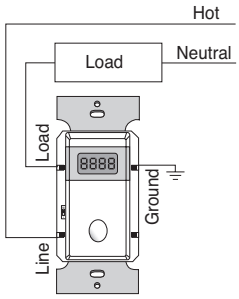


Installation

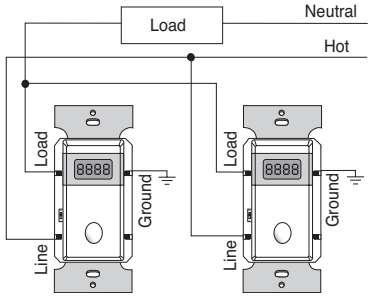


Wiring

TS-400 Single Level Lighting



TS-400 3-Way Lighting



Ordering Information

Catalog No.	Color	Voltage	Load Rating
☐ TS-400-W ☐ TS-400-W-U	White	120 VAC; 50/60 Hz, or 277 VAC; 50/60 Hz	0-800 Watt ballast, or 0-1200 Watt ballast
☐ TS-400-I	Ivory		
☐ TS-400-A	Lt. Almond		
☐ TS-400-B	Black		
☐ TS-400-G	Grey		

Order wall plate separately.