Proximitor Sensor and Interface Module Housings

Datasheet

Bently Nevada Machinery Condition Monitoring

141599 Rev. V







CE

Description

Although Proximitor Sensors and interface modules are rugged by design, they are often installed in harsh environments that require an appropriate housing to protect the electrical equipment from damage. In addition, many installations are in hazardous areas, which require a suitable housing for electrical equipment such as the 3300 XL Proximitor. We offer a variety of housings that protect our products from environmental damage. When the application requires a corrosion resistant fiberglass housing for an offshore installation, we can supply it, complete with the appropriate conduit fittings and custom mounting plates. The following section provides a brief description of each housing product line, followed by the ordering information.

3300 XL Multi-Purpose Housings

The certified Stainless Steel Water-Resistant Housings meet stringent IP66 and Type 4X environmental ratings for protecting enclosed electronic equipment in harsh conditions. The 304/304L stainless steel construction resists moisture, corrosion, and impacts in virtually all installations and may be hosed down for cleaning when necessary. For customers that require a lockable housing, we offer the Weather-Resistant Lockable housing.

Water- and Corrosion-Resistant Housings

The water- and corrosion-resistant fiberglass housings protect Bently Nevada products from corrosive and wet environments. When properly installed, the fiberglass housings are suitable for outdoor environments because of their resistance to water, dust and corrosion. Fiberglass housings may not be suitable for areas where Radio Frequency Interference (RFI) is present.



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

3300 XL Multi-Purpose Housing

These Stainless Steel Water-Resistant Housings are rated for IP66 and Type 4X environmental conditions.

• The **175751** housing can accommodate up to 8 Proximitor sensors in the DIN-mount configuration or 6 panel mount Proximitor sensors. <u>See 175751 3300 XL Multi-Purpose</u> <u>Housing Dimensions (12" x 12" x 6") on page 5.</u>

• The **176467** housing can accommodate up to four Proximitor Sensors in the DIN-mount configuration or four panel-mount Proximitor Sensors. <u>See 176467 3300 XL Multi-Purpose</u> <u>Housing Dimensions (12" x 8" x 6") on page 8.</u>

• Each housing has three removable gland plates to simplify the installation of conduit fittings and cable gland seals.

| Housing Material | 304 stainless steel | |
|------------------|---|--|
| Gasket Material | Polyurethane | |
| Housing Rating | | |
| North America | Certified to Type 3S, 4, and 4X ratings per UL File E115376 | |
| Europe | Certified to IP66 waterproof and dust-proof per IP 66 along with the 7 joule high impact mechanical risk test required by IEC standard IEC/EN 60079-15. | |

3300 XL Multi-Purpose Housing 12"x12"x6"

175751-AA-BB-CC-DD

| A: Transducer Type Option | |
|---------------------------|-------------------------|
| 00 | No mounting hardware |
| 01 | 35mm DIN-rail mount |
| 02 | 2.00"x2.00" panel mount |



Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately

Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables.

B: Conduit Fitting Option

| See Conduit Fitting Applications for 175751, 176467, and 330181 on page 11. | | |
|--|--|--|
| 00 | Without fittings | |
| 01 | One brass M32 cable gland seal outlet, six brass M25 cable gland seal inlets | |
| 02 | One brass M32 cable gland seal outlet, eight brass M25 cable gland seal inlets | |
| 03 | One aluminum 1¼ -11½ NPT conduit outlet, six aluminum ¾-14 NPT conduit inlets, six aluminum ¾ -14 to ½ -14 NPT reducers | |
| 04 | One aluminum 1¼-11½ NPT conduit outlet, eight aluminum ¾-14 NPT conduit inlets, eight aluminum ¾ -14 to ½ -14 NPT reducers. | |
| 05 | One 316 stainless steel 1¼ - 11½ NPT conduit outlet, six 316 stainless steel ¾ -14 NPT conduit inlets, six 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | |
| 06 | One 316 stainless steel 1¼ - 11½ NPT conduit outlet, eight 316 stainless steel ¾ -14 NPT conduit inlets, eight 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | |
| 07 | One chrome-plated zinc 1¼ - 11½ NPT conduit outlet, six chrome-plated zinc ¾ -14 NPT conduit inlets, six 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | |
| 08 | One chrome-plated zinc 1¼ - 11½ NPT conduit outlet, eight chrome-plated zinc ¾ -14 NPT conduit inlets, eight 303 stainless steel ¾ -14 NPT to ½ -14 NPT reducers. | |
| C: Tern | ninal Mounting Block Option | |
| 00 | No terminal blocks | |
| 01 | 4 DIN rail terminal blocks | |
| 02 | 8 DIN rail terminal blocks | |
| 03 | 12 DIN rail terminal blocks | |
| 04 | 16 DIN rail terminal blocks | |
| 05 | 20 DIN rail terminal blocks | |



| 06 | 24 DIN rail terminal blocks |
|----|-----------------------------|
| 07 | 28 DIN rail terminal blocks |
| 08 | 32 DIN rail terminal blocks |
| 21 | 1 terminal block |
| 22 | 2 terminal blocks |
| 23 | 3 terminal blocks |
| 24 | 4 terminal blocks |
| 25 | 5 terminal blocks |
| 26 | 6 terminal blocks |



Each DIN rail terminal block accepts only one wire. The standard terminal blocks each accept four wires. Thus, four DIN rail terminal blocks equal one standard terminal block.

D: Labeling Option

00 Part number only (No Approvals)

3300 XL Multi-Purpose Housing 12"x8"x6"

176467 - AA-BB-CC-DD

| A: Tra | nsducer Type Option |
|--------|--|
| 00 | No mounting hardware |
| 01 | 35mm DIN-rail mount |
| 02 | 2.00"x2.00" panel mount |
| | Proximitor Sensors, Interface Modules, and Velocity-to- Displacement Converters are not included and must be ordered separately |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. |

B: Conduit Fitting Option

| See Conduit Fitting Applications for 175751, 176467, | | |
|--|--|--|
| and 330181 on page 11. | | |
| 00 | Without fittings | |
| 09 | Four aluminum ¾-14 NPT to ½-14 NPT, Five | |

| | aluminum ¾ 14 NPT, one aluminum 1¼ 11½ NPT. |
|---------|--|
| 10 | One brass M32 cable gland outlet, four brass M25 cable gland inlets. |
| 11 | One 316 stainless steel 1¼ 11½ NPT conduit outlet, four 316 stainless steel ¾ 14 NPT conduit inlets, four 303 stainless steel ¾ 14 to ½ 14 NPT reducers |
| 12 | 12 One chrome-plated zinc 1¼ 11½ NPT conduit outlet, four chrome-plated zinc ¾ 14 NPT conduit inlets, four 303 stainless steel ¾ 14 to ½ 14. |
| C: Tern | ninal Mounting Block Option |
| 00 | No terminal blocks |
| 01 | 4 DIN rail terminal blocks |
| 02 | 8 DIN rail terminal blocks |
| 03 | 12 DIN rail terminal blocks |
| 04 | 16 DIN rail terminal blocks |
| 21 | 1 terminal block |
| 22 | 2 terminal blocks |
| 23 | 3 terminal blocks |
| 24 | 4 terminal blocks |
| D: Lab | eling Option |
| 00 | Part number only (No Approvals) |



Each DIN rail terminal block accepts only one wire. The standard terminal blocks each accept four wires. Thus, four DIN rail terminal blocks equal one standard terminal block.



Accessories

| Part Number | Description |
|----------------|---|
| 137936-01 | Brass cable gland seal, M32 |
| 137937-01 | Brass cable gland seal, M25 |
| 03818111 | Nickel-plated brass conduit fitting, PG21 x M20 |
| 03839130 | Aluminum conduit fitting, ¾ -14 NPT |
| 03839132 | Aluminum conduit fitting, 1¼ -11½ NPT |
| 03850021 | Aluminum reducer, ¾ -14 to ½ -14 NPT |
| 03813103 | Chrome-plated zinc conduit fitting, ¾ -14 NPT |
| 03813105 | Chrome-plated zinc conduit fitting, 1- 11½ NPT |
| 03813106 | Chrome-plated zinc conduit fitting, 1¼ -11½ NPT |
| 03818099 | AISI 316 stainless steel conduit fitting, 1¼ -11½ NPT |
| 03818100 | AISI 316 stainless steel conduit fitting, ¾ -14NPT |
| 26650-01 | AISI 303 stainless steel reducer, ¾ -14 to ½ -14 NPT |
| 26650-03 | AISI 303 stainless steel reducer, 1¼ -11½ to 1-11½ NPT |
| 03818102 | AISI 316 stainless steel conduit fitting, PG21 x M20 |
| 03818103 | AISI 316 stainless steel conduit fitting, PG21 x PG11 |
| 03818104 | AISI 303 stainless steel conduit seal, PG11 |
| 03818105 | AISI 316 stainless steel conduit seal, M20 |
| 103537-01 | Terminal Mounting Block This 4-wire terminal mounting block includes screws and is easily installed. Terminal mounting blocks are used to connect transducer cables to field wiring that is routed back to the monitoring system. |
| 01691029 | DIN-rail Terminal Strip |
| | DIN-rail Terminal Strip Cover |
| 01691028 | ' The DIN-rail terminal strip with cover is a single wire terminal strip that snaps onto a 35 mm DIN rail. |
| 04490104 | Conduit Seal Punch Tool |

| Part Number | Description |
|----------------|--|
| | A punch tool set is used when installing conduit seals. The conduit seals come with a rubber insert, with markings for where to "punch" holes. Use the punch tool set to punch the number of holes you need for the cables going through each conduit seal. |



Graphs and Figures

3300 XL Multi-Purpose Housing







Proximitor Sensor and Interface Module Housings Datasheet



Figure 2: 175751 Panel Mount Orientation

Panel mount Proximitors and Terminal blocks share the same mounting hole pattern; therefore, any combination of 6 Proximitors and/or Terminal Blocks will work with this housing when panel mounting hardware is ordered (-AA option = -02).



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Figure 4: 176467 3300 XL Multi-Purpose Housing Dimensions (12" x 8" x 6")



Proximitor Sensor and Interface Module Housings Datasheet



Figure 5: 176467 Panel Mount Orientation

Panel mount Proximitors and Terminal blocks share the same mounting hole pattern; therefore, any combination of 4 Proximitors and/or Terminal Blocks will work with this housing when panel mounting hardware is ordered (-AA option = -02).









Table 1: Conduit Fitting Applications for 175751, 176467, and 330181

| | Aluminum Conduit Fittings | Brass Conduit Seals | 316 Stainless Steel Conduit Fittings | Chrone-plated Zinc Conduit Fittings |
|--|------------------------------|------------------------|---|--|
| Includes a 1/4-NPT to 1/2- NPT Reducer | Yes | No | Yes | Yes |
| Use in IP54 Areas | Yes | Yes | Yes | Yes |
| Use in IP55 to IP66 Areas | No | Yes | No | No |
| Use in CENELEC safe hazardous areas | No | Yes | No | No |
| Type 4 Rating | Yes | No | Yes | Yes |
| Type 4X Rating | No | No | Yes | Yes |
| Use in North America Hazardous Areas | No | No | Yes | Yes |
| Use in Ammonia Environments | No | No | Yes | No |





For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

Weather-Resistant Lockable Housing



The Weather Resistant Lockable Housing is rated for IP54 environmental conditions.

• The housing can accommodate up to 8 3300 XL Proximitor sensors in the DIN-mount configuration or 6 panel mount Proximitor sensors.

• Each housing has three removable gland plates to simplify the installation of conduit fittings and cable gland seals.

See Weather-Resistant Lockable Housing Dimensions on page 14.

| Housing Material | 304 stainless steel | |
|--------------------------------|---|--|
| Gland Plate Gasket Material | Neoprene rubber | |
| Cover Gasket Material | PORON urethane | |
| Housing Rating | | |
| Europe | Certified to the IP54 waterproof along with the 7-joule high impact mechanical risk test required by IEC standard IEC/EN 60079-15 | |
| Total System Mass | 6.4 kg (14.0 lbm) with standard gland plates but without conduit fittings installed | |
| Total system Mass | 8.0 kg (17.6 lbm) with standard gland plates and conduit fittings installed | |

330181 - AA-BB-CC-DD-EE

| A: Transducer Type Option | | |
|---------------------------|--|--|
| 00 | No mounting hardware | |
| 01 | 3300 XL Proximitor Sensors (DIN mount), DIN- rail terminal blocks | |

| 03 | 3300 XL Proximitor Sensors (panel mount) | | | | | |
|----|--|--|--|--|--|--|
| 04 | 3300 Proximitor Sensors | | | | | |
| 05 | 3000 or 7200 Proximitor Sensors, VDCs, and Interface Modules | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |

B: Conduit Fitting Option

| See Co and 33 | nduit Fitting Applications for 175751, 176467, 0181 on page 11. | | | | | |
|------------------|--|--|--|--|--|--|
| 00 | Without fittings | | | | | |
| 01 | One brass M32 cable gland seal outlet, six brass M25 cable gland seal inlets | | | | | |
| 02 | One brass M32 cable gland seal outlet, eight brass M25 cable gland seal inlets | | | | | |
| 03 | One aluminum 1¼ -11½ NPT conduit outlet, six aluminum ¾-14 NPT conduit inlets, six aluminum ¾ -14 to ½ -14 NPT reducers | | | | | |
| 04 | One aluminum 1¼-11½ NPT conduit outlet, eight aluminum ¾-14 NPT conduit inlets, eight aluminum ¾ -14 to ½ -14 NPT reducers. | | | | | |
| 05 | One 316 stainless steel 1¼ - 11½ NPT conduit outlet, six 316 stainless steel ¾ -14 NPT conduit inlets, six 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | | | | | |
| 06 | One 316 stainless steel 1¼ - 11½ NPT conduit outlet, eight 316 stainless steel ¾ -14 NPT conduit inlets, eight 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | | | | | |
| 07 | One chrome-plated zinc 1¼ - 11½ NPT conduit outlet, six chrome-plated zinc ¾ -14 NPT conduit inlets, six 303 stainless steel ¾ -14 to ½ -14 NPT reducers. | | | | | |
| 08 | One chrome-plated zinc 1¼ - 11½ NPT conduit outlet, eight chrome-plated zinc ¾ -14 NPT conduit inlets, eight 303 stainless steel ¾ -14 NPT to ½ -14 NPT reducers. | | | | | |
| C: Glar | C: Gland Plate Thickness | | | | | |
| 01 | Standard 2.34 mm (0.092 in) | | | | | |
| 02 | 3.05 mm (0.120 in) | | | | | |
| 03 | 4.78 mm (0.188 in) | | | | | |



04 6.35 mm (0.250 in)

| D: Terminal Mounting Block Option | | | | | |
|-----------------------------------|--|--|--|--|--|
| No terminal blocks | | | | | |
| 4 DIN rail terminal blocks | | | | | |
| 8 DIN rail terminal blocks | | | | | |
| 12 DIN rail terminal blocks | | | | | |
| 16 DIN rail terminal blocks | | | | | |
| 20 DIN rail terminal blocks | | | | | |
| 24 DIN rail terminal blocks | | | | | |
| 28 DIN rail terminal blocks | | | | | |
| 32 DIN rail terminal blocks | | | | | |
| 1 terminal block | | | | | |
| 2 terminal blocks | | | | | |
| 3 terminal blocks | | | | | |
| 4 terminal blocks | | | | | |
| 5 terminal blocks | | | | | |
| 6 terminal blocks | | | | | |
| | | | | | |

Each DIN rail terminal block accepts only one wire. The standard terminal blocks each accept four wires. Thus, four DIN rail terminal blocks equal one standard terminal block.

E: Labeling Option

00 Safe area (No Approvals)



Graphs and Figures



Weather Resistant Lockable Housing

- 1. Stainless steel slip hinge. Allows cover to be removed from housing
- 2. M10 x 1.5 6 g ground stud, stainless steel
- 3. M6 slotted hex head captive fastener, stainless steel
- 4. Approval/identification label
- 5. M6 x 16 mm hex head bolt, stainless steel
- 6. φ 8.33 [0.328] padlock hasp
- 7. Removable gland plate, 3 places

Figure 1: Weather-Resistant Lockable Housing Dimensions

Dimensions are in millimeters (inches).



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

Explosion Proof Housing

2-Unit Explosion-Proof Housing

CA72341 - AA-BB

See CA72341 2-Unit Explosion-Proof Housing Dimensions on page 17.

A: Transducer Type Option

| 00 | No mounting hardware | | | | |
|----|--|--|--|--|--|
| 02 | 3000 or 7200 Proximitor Sensors, Vdcs and Interface Modules | | | | |
| 03 | 3300 Proximitor Sensors | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | |

B: Conduit Fitting Option

| 01 | No fittings supplied |
|----|--|
| 02 | One 1¼ -11½ in NPT outlet fitting, one ¾-14 NPT inlet fitting |
| 03 | One 1¼ -11½ NPT outlet fitting, two ¾-14 NPT inlet fittings |
| 04 | One ¾-14 NPT outlet fitting, one ½-14 NPT inlet fitting |
| 05 | One ¾-14 NPT outlet fitting, two ½-14 NPT inlet fittings |

4-Unit Explosion-Proof Housing

CA72342 - AA-BB

See CA72342 4-Unit Explosion-Proof Housing Dimensions on page 17.

A: Transducer Type Option

| 00 | No mounting hardware | | | | | |
|----|--|--|--|--|--|--|
| 02 | 3000 or 7200 Proximitor Sensors, Vdcs and Interface Modules | | | | | |
| 03 | 3300 Proximitor Sensors | | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | | |
| 11 | 3300 XL Proximitor Sensors, DIN mount | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |

| B: Conduit Fitting Option | | | |
|---------------------------|--|--|--|
| 01 | No fittings supplied | | |
| 02 | One 1¼ -11½ in NPT outlet fitting, one ¾-14 NPT inlet fitting | | |
| 03 | One 1¼ -11½ NPT outlet fitting, two ¾-14 NPT inlet fittings | | |
| 04 | One ¾-14 NPT outlet fitting, three ¾-14 NPT inlet fittings | | |
| 05 | One ¾-14 NPT outlet fitting, four ¾-14 NPT inlet fittings | | |
| 06 | One ¾-14 NPT outlet fitting, one ½-14 NPT inlet fitting | | |
| 07 | One ¾-14 NPT outlet fitting, two ½-14 NPT inlet fittings | | |
| 08 | One ¾-14 NPT outlet fitting, three ½-14 NPT inlet fittings | | |
| 09 | One ¾-14 NPT outlet fitting, four ½-14 NPT inlet fittings | | |



6-Unit Explosion-Proof Housing

CA72343 - AA-BB

See CA72343 6-Unit Explosion-Proof Housing Dimensions on page 18.

A: Transducer Type Option

| 00 | No mounting hardware | | | | | |
|----|--|--|--|--|--|--|
| 02 | 3000 or 7200 Proximitor Sensors, VDCs, and Interface Modules | | | | | |
| 03 | 3300 Proximitor Sensors | | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | | |
| 11 | 3300 XL Proximitor Sensors, DIN mount | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |

| B: Co | B: Conduit Fitting Option | | | |
|-------|---|--|--|--|
| 01 | No fittings supplied | | | |
| 02 | One 1¼ -11½ in NPT outlet fitting, one ¾-14 NPT inlet fitting | | | |
| 03 | One 1¼ -11½ NPT outlet fitting, two ¾-14 NPT inlet fittings | | | |
| 04 | One 1¼ -11½ NPT outlet fitting, three ¾-14 NPT inlet fitting | | | |
| 05 | One 1¼ -11½ NPT outlet fitting, four ¾-14 NPT inlet fitting | | | |
| 06 | One 1¼ -11½ NPT outlet fitting, five ¾-14 NPT inlet fitting | | | |
| 07 | One 1¼ -11½ NPT outlet fitting, six ¾-14 NPT inlet fitting | | | |
| 08 | One ¾-14 NPT outlet fitting, one ½-14 NPT inlet fittings | | | |
| | One %-14 NPT outlet fitting two %-14 NPT inlet | | | |

| 09 | One ¾-14 NPT outlet fitting, two ½-14 NPT inlet fittings |
|----|--|
| 10 | One ¾-14 NPT outlet fitting, three ½-14 NPT inlet fittings |
| 11 | One ¾-14 NPT outlet fitting, four ½-14 NPT |

| | inlet fittings |
|----|--|
| 12 | One 1¼ -11½ NPT outlet fitting, five ½-14 NPT inlet fittings |
| 13 | One 1¼ -11½ NPT outlet fitting, six ½-14 NPT inlet fittings |



Graphs and Figures Explosion Proof Housing



Figure 1: CA72341 2-Unit Explosion-Proof Housing Dimensions

Dimensions are in millimeters (inches). For additional dimensions, see Dimensions A and B in Table 2.







Dimensions are in millimeters (inches). For additional dimensions, see Dimensions A and B in Table 2.



1. Outlet fitting threaded hole centered 76.3 (3.0) from base

Figure 3: CA72343 6-Unit Explosion-Proof Housing Dimensions

Dimensions are in millimeters (inches). For additional dimensions, see Dimensions A and B in the table below.

| Part Number | Maximum Proximitor | Overall Dimensions (with lid) | | | Mounting Dimensions | |
|---|--------------------|-------------------------------|------------|------------|---------------------|------------|
| Part Number | Sensor Capacity | Length | Width | Height | А | В |
| CA72341 | 2 | 229 (9.00) | 181 (7.12) | 169 (6.66) | 149 (5.87) | 206 (8.12) |
| CA72342 | 4 | 264 (10.4) | 257 (10.1) | 186 (7.31) | 232 (9.12) | 245 (9.63) |
| CA72343 | 6 | 302 (11.9) | 274 (10.8) | 183 (7.19) | 241 (9.50) | 267 (10.5) |
| Dimensions are in millimeters (inches). | | | | | | |

Table 1: Explosion-Proof Housing Dimensions



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

Water and Corrosion-Resistant Housing

2-Unit Water and Corrosion-Resistant Fiberglass Housing

24584 - AA-BB

See 24584, 24585, and 24586 Fiberglass Housing Dimensions on page 21.

A: Transducer Type Option

| 00 | No mounting hardware | | | | | |
|--------------|--|--|--|--|--|--|
| 02 | 3000 or 7200 Proximitor Sensors, Vdcs and Interface Modules | | | | | |
| 03 | 3300 Proximitor Sensors | | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |
| B' Co | | | | | | |
| D. O(| | | | | | |

| 00 | Without fittings and mounting holes |
|----|-------------------------------------|
| 01 | With fittings and reducers |
| 02 | With cable grips and cable seals |

4-Unit Water and Corrosion-Resistant Fiberglass Housing

24585 - AA-BB

See 24584, 24585, and 24586 Fiberglass Housing Dimensions on page 21.

| A: Tra | insducer Type Option | | | | | |
|--------|--|--|--|--|--|--|
| 00 | No mounting hardware | | | | | |
| 02 | 3000 or 7200 Proximitor Sensors, Vdcs and Interface Modules | | | | | |
| 03 | 3300 Proximitor Sensors | | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |

| B: Conduit Fitting Option | | |
|---------------------------|-------------------------------------|--|
| 00 | Without fittings and mounting holes | |
| 01 | With fittings and reducers | |
| 02 | With cable grips and cable seals | |



6-Unit Water and Corrosion-Resistant Fiberglass Housing

24586 - AA-BB

See 24584, 24585, and 24586 Fiberglass Housing Dimensions on page 21.

| A: Tr | ansducer Type Option | | | | | |
|-------|--|--|--|--|--|--|
| 00 | No mounting hardware | | | | | |
| 02 | 3000 or 7200 Proximitor Sensors, Vdcs and Interface Modules | | | | | |
| 03 | 3300 Proximitor Sensors | | | | | |
| 10 | 3300 XL Proximitor Sensors, panel mount | | | | | |
| | Proximitor Sensors, Interface Modules, and Velocity-to-Displacement Converters are not included and must be ordered separately | | | | | |
| | Exercise care when specifying system length to avoid having excess coils of cable inside the housing. This excess cable in the housing may cause chafing and premature failure of the cables. | | | | | |

| B: Conduit Fitting Option | | | | | | |
|---------------------------|-------------------------------------|--|--|--|--|--|
| 00 | Without fittings and mounting holes | | | | | |
| 01 | With fittings and reducers | | | | | |
| 02 | With cable grips and cable seals | | | | | |



Graphs and Figures Water and Corrosion-Resistant Housing



Figure 1: 24584, 24585, and 24586 Fiberglass Housing Dimensions

Dimensions are in millimeters (inches).

For additional dimensions, see Dimensions A through E in the table below.

Table 1: Water- and Corrosion-Resistant Housing Dimensions

| Part Number | Maximum Proximitor Sensor Capacity | Overall Dimensions (with lid) | | | Mounting Dimensions | |
|---|---------------------------------------|-------------------------------|---------------|--------------|---------------------|--------------|
| Full Nulliber | | Length (C) | Width (D) | Height (E) | А | В |
| 24584 | 2 | 245 (9.63) | 187 (7.38) | 122 (4.81) | 226 (8.88) | 102 (4.00) |
| 24585 | 4 | 295.1 (11.62) | 238.3 (9.38) | 108 (4.25) | 273 (10.75) | 152.4 (6.00) |
| 24586 | 6 | 345.9 (13.62) | 289.1 (11.38) | 133.4 (5.25) | 323.9 (12.75) | 203.2 (8.00) |
| Dimensions are in millimeters (inches). | | | | | | |



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