

## Holocom® PDS Quality Assurance Checklist

Project Name and Number: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Project Date: \_\_\_\_\_

### Checklist Objectives

This checklist provides a basic guideline for the installer and Quality Assurance inspector to facilitate a thorough physical inspection of the Holocom PDS during and at the end of a project installation.

This checklist accompanies a correctly conducted physical site survey, a technically correct installation layout “red line,” a correct bill of materials, and properly trained and certified installers.

The objective for this checklist is to ensure that the end user receives the quality installation they expect and that the Holocom PDS installation meets both National and Service PDS guidelines when the system is “activated.” Make sure the system is right before it is activated.

Check completed items

	<u>Scope of the Project</u>	<u>Comments</u>
1.	Has the project been installed and completed at the specified location and IAW the design specification and statement of work (SOW) agreed to between the end-user and the team doing the installation?	
2.	Were any changes in design specifications driven by on-site engineering issues?	
3.	Were any Change Orders agreed upon and executed?	
4.	Are there any “open items” that cannot be completed due to other project delays? (e.g. Cabling components were not provided.)	

	<u>Raceways</u>	<u>Comments</u>
1.	Raceway runs should be approximately 1" off the wall using the provided Spacers. In special instances, this separation may be exceeded, but in no case should the raceway be mounted flush with the wall. Spacers should be secured between the PDS and the wall. Spinning of the Spacer is unacceptable. If Secure Large Carrier™ (SLC) is used, the raceway needs to be mounted using the SLC Mounting Bracket only. If using Secure Mini Dukt™ (SMD), the Tube is mounted using the SMD Mounting Bracket which is mounted to the wall, not the raceway. The Tube is inserted 2" inside the Mounting Bracket until reaching the stopper.	
2.	Raceway runs should be mounted approximately 4"- 6" down from the ceiling in order to facilitate visual inspection.	
3.	End-to-end raceway joints must be supported with the supplied 3 ¾" Secure Raceway Joint (SRJ) for SDS or 3.75" x 5.85" SRJ for SLC. When using the SRJ, epoxy is not required. Gaps over 1/8" are not acceptable.	
4.	Raceway spans between connectors should be at least 21" in length to allow for proper functioning of lock mechanisms and TopCap space requirements. An exception to this is when two Universal Connectors are used to span a pillar corner.	
5.	Ensure that all PDS runs are viewable 360 degrees and are fully inspectable.	
6.	There should be no more than 1/8" play on all horizontal and vertical TopCap and span cuts. This is very important as a series of loose cuts over a span can allow the system to be opened if TopCap sections and connectors can be slid to one side. Checking this requires the inspector to try to move both the Lock Kits and EE6 Connectors from side to side.	

Enclosures & Connectors SDS and SLC

Comments

	1. End-to-End Connectors for the TopCap and connectors must have the opposing stainless steel pins and a four-point raceway connection. This is provided using the End-to-End Connector. Ensure that the pins are secure under all system raceway lips and that both the raceway and TopCap are firmly seated to ensure a secure fit.	
	2. All connectors (except Universal Connectors) must be mounted to the wall with at least two mounting points using the 1" spacers supplied in the attachment kit. Each connector requires a Lock Kit on one side and an End-to-End Connector on the other side to ensure proper locking of system.	
	3. All enclosures including Universal Connectors should be securely mounted flush to the wall.	
	4. Enclosures used as "Pull Boxes" are not required in a Holocom PDS installation. Additional enclosures may be specified if needed as a "breakdown point" for locks or to be used to achieve better system alignment by allowing small adjustments for positive or negative wall offsets and minor elevation changes. Locations of these locks should be noted for the security mitigation plan. For the SLC-WM-PB0-H1, the cut out on each side of the enclosure must be covered with either the included PB0 INF Flange or PB0 Blank Flange so that the enclosure cut out is covered. (i.e. The enclosure should not be put against a corner wall unless it has at a minimum the Blank Flange attached and screwed in with the included washers and wing nuts.)	
	5. All INFs should be mounted flush to the enclosure, with no visible gap between enclosure and INF. All INFs should be physically inspected to ensure that they are tight and cannot turn. A mounting point is required within 3 inches of the INF, or 5 inches from the edge of the raceway.	

Lock Assemblies SDS and SLC

Comments

	1. Raceway lock assemblies use a cable assembly for locking and unlocking. These cables shall lie inside the raceway prior to closing of the TopCap, preventing access in any way other than through proper opening of the system.	
	2. The lock cover shall be firmly grasped by hand and moved side-to-side while attempting to lift it off the raceway. This ensures the lock cover is properly seated.	

Through-Wall Kits

Comments

	1. When installing Through-Wall Kits, installers should provide a core hole not larger than 3" for a 2" Through-Wall Kit and a core hole not larger than 1 1/2" for a 1" Through-Wall Kit. A concealed patch should be used and if the core holes are larger than described, the excess space needs to be filled in and around the hole to ensure a flush mounting and an aesthetic appearance.	
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Epoxy & Miscellaneous Applications

Comments

	1. All exposed screws or bolts must be sealed with epoxy. For example, when using threaded rod to suspend raceway, epoxy will be used where the rod enters the raceway, sealing the nut and rod.	
	2. Ensure proper raceway Attachment Kit has been used to attach raceway. Confirm this via the parts list, and through confirmation from the installer. Ensure that raceway is secure and mounted with proper number of mounting points.	

Certification

Project Manager/Q/A Inspector /s/: \_\_\_\_\_ Date: \_\_\_\_\_

Government/Contract Official /s/: \_\_\_\_\_ Date: \_\_\_\_\_