

CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

Issued to: XP POWER L L C
15641 RED HILL AVE, SUITE 100,
TUSTIN, CA 92780 USA

**This certificate confirms that
representative samples of**

POWER SUPPLIES, INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS
EQUIPMENT - COMPONENT / POWER SUPPLIES FOR
USE WITH AUDIO/VIDEO, INFORMATION AND
COMMUNICATION TECHNOLOGY EQUIPMENT –
COMPONENT

See Addendum page for Models/Product

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: Refer Addendum Page For Standards.

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

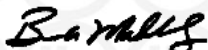
Standard(s) for Safety:

UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements

UL 62368-1 and CSA-C22.2 No. 62368-1, Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements

Models/Product: QQQQ2/8, QQJQ2/8

IT2403SA, IT2405SA, IT2412SA, IT2415SA, IT4803SA, IT4805SA, IT4812SA, IT4815SA, IT2405S, IT2412S, IT2415S, IT4805S, IT4812S, IT4815S, IM2403SA, IM2405SA, IM2412SA, IM2415SA, IM4803SA, IM4805SA, IM4812SA, IM4815SA, IM2405S, IM2412S, IM2415S, IM4805S, IM4812S, IM4815S, JCH1012S3V3, JCH1012S05, JCH1012S7V2, JCH1012S09, JCH1012S12, JCH1012S15, JCH1012S18, JCH1012S24, JCH1012D03, JCH1012D05, JCH1012D07, JCH1012D09, JCH1012D12, JCH1012D15, JCH1012D18, JCH1012D24, JCH1024S3V3, JCH1024S05, JCH1024S7V2, JCH1024S09, JCH1024S12, JCH1024S15, JCH1024S18, JCH1024S24, JCH1024D03, JCH1024D05, JCH1024D07, JCH1024D09, JCH1024D12, JCH1024D15, JCH1024D18, JCH1024D24, JCH1048S3V3, JCH1048S05, JCH1048S7V2, JCH1048S09, JCH1048S12, JCH1048S15, JCH1048S18, JCH1048S24, JCH1048D03, JCH1048D05, JCH1048D07, JCH1048D09, JCH1048D12, JCH1048D15, JCH1048D18, JCH1048D24, JTH1524S3V3, JTH1524S05, JTH1524S7V2, JTH1524S09, JTH1524S12, JTH1524S15, JTH1524D05, JTH1524D07, JTH1524D09, JTH1524D12, JTH1524D15, JTH1548S3V3, JTH1548S05, JTH1548S7V2, JTH1548S09, JTH1548S12, JTH1548S15, JTH1548D05, JTH1548D07, JTH1548D09, JTH1548D12, JTH1548D15, JTH1524S3V3-R, JTH1524S05-R, JTH1524S7V2-R, JTH1524S09-R, JTH1524S12-R, JTH1524S15-R, JTH1524D05-R, JTH1524D07-R, JTH1524D09-R, JTH1524D12-R, JTH1524D15-R, JTH1548S3V3-R, JTH1548S05-R, JTH1548S7V2-R, JTH1548S09-R, JTH1548S12-R, JTH1548S15-R, JTH1548D05-R, JTH1548D07-R, JTH1548D09-R, JTH1548D12-R, JTH1548D15-R, JTK1524S3V3, JTK1524S05, JTK1524S12, JTK1524S15, JTK1548S3V3, JTK1548S05, JTK1548S12, JTK1548S15, JTK1524D05, JTK1524D12, JTK1524D15, JTK1548D05, JTK1548D12, JTK1548D15, JTK2024S3V3, JTK2024S05, JTK2024S12, JTK2024S15, JTK2048S3V3, JTK2048S05, JTK2048S12, JTK2048S15, JTK2024D12, JTK2024D15, JTK2048D12, JTK2048D15, JCM1512S3V3, JCM1512S05, JCM1512S12, JCM1512S15, JCM1524S3V3, JCM1524S05, JCM1524S12, JCM1524S15, JCM1548S3V3, JCM1548S05, JCM1548S12, JCM1548S15, JCM1512D05, JCM1512D12, JCM1512D15, JCM1524D05, JCM1524D12, JCM1524D15, JCM1548D05, JCM1548D12, JCM15489D15, JCM2012S3V3, JCM2012S05, JCM2012S12, JCM2012S15, JCM2024S3V3, JCM2024S05, JCM2024S12, JCM2024S15, JCM2048S3V3, JCM2048S05, JCM2048S12, JCM2048S15, JCM2012D12, JCM2012D15, JCM2024D12, JCM2024D15, JCM2048D12, JCM2048D15, JCM3012S3V3, JCM3012S05, JCM3012S12, JCM3012S15, JCM3012D12, JCM3012D15, JCM3024S3V3, JCM3024S05, JCM3024S12, JCM3024S15, JCM3024D12, JCM3024D15, JCM3048S3V3, JCM3048S05, JCM3048S12, JCM3048S15, JCM3048D12, JCM3048D15, JCM3012S3V3-HK,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

JCM3012S05-HK, JCM3012S12-HK, JCM3012S15-HK, JCM3024S3V3-HK, JCM3024S05-HK, JCM3024S12-HK, JCM3024S15-HK, JCM3048S3V3-HK, JCM3048S05-HK, JCM3048S12-HK, JCM3048S15-HK, JCM3012D12-HK, JCM3012D15-HK, JCM3024D12-HK, JCM3024D15-HK, JCM3048D12-HK, JCM3048D15-HK, JTK3024S3V3, JTK3024S05, JTK3024S12, JTK3024S15, JTK3024D12, JTK3024D15, JTK3048S3V3, JTK3048S05, JTK3048S12, JTK3048S15, JTK3048D12, JTK3048D15, JTK3024S3V3-HK, JTK3024S05-HK, JTK3024S12-HK, JTK3024S15-HK, JTK3048S3V3-HK, JTK3048S05-HK, JTK3048S12-HK, JTK3048S15-HK, JTK3024D12-HK, JTK3024D15-HK, JTK3048D12-HK, JTK3048D15-HK, ISD0103S3V3, ISD0103S05, ISD0105S3V3, ISD0105S05, ISD0103D3V3, ISD0103D05, ISD0105D3V3, ISD0105D05, ISD0103S3V3-TR, ISD0103S05-TR, ISD0105S3V3-TR, ISD0105S05-TR, ISD0103D3V3-TR, ISD0103D05-TR, ISD0105D3V3-TR, ISD0105D05-TR, JCD0412S3V3, JCD0412S05, JCD0412S7V2, JCD0412S09, JCD0412S12, JCD0412S15, JCD0412S18, JCD0412S24, JCD0412D03, JCD0412D05, JCD0412D7V2, JCD0412D09, JCD0412D12, JCD0412D15, JCD0412D18, JCD0412D24, JCD0424S3V3, JCD0424S05, JCD0424S7V2, JCD0424S09, JCD0424S12, JCD0424S15, JCD0424S18, JCD0424S24, JCD0424D03, JCD0424D05, JCD0424D7V2, JCD0424D09, JCD0424D12, JCD0424D15, JCD0424D18, JCD0424D24, JCD0448S3V3, JCD0448S05, JCD0448S7V2, JCD0448S09, JCD0448S12, JCD0448S15, JCD0448S18, JCD0448S24, JCD0448D03, JCD0448D05, JCD0448D7V2, JCD0448D09, JCD0448D12, JCD0448D15, JCD0448D18, JCD0448D24, JCD0412S3V3-H, JCD0412S05-H, JCD0412S7V2-H, JCD0412S09-H, JCD0412S12-H, JCD0412S15-H, JCD0412S18-H, JCD0412S24-H, JCD0412D03-H, JCD0412D05-H, JCD0412D7V2-H, JCD0412D09-H, JCD0412D12-H, JCD0412D15-H, JCD0412D18-H, JCD0412D24-H, JCD0424S3V3-H, JCD0424S05-H, JCD0424S7V2-H, JCD0424S09-H, JCD0424S12-H, JCD0424S15-H, JCD0424S18-H, JCD0424S24-H, JCD0424D03-H, JCD0424D05-H, JCD0424D7V2-H, JCD0424D09-H, JCD0424D12-H, JCD0424D15-H, JCD0424D18-H, JCD0424D24-H, JCD0448S3V3-H, JCD0448S05-H, JCD0448S7V2-H, JCD0448S09-H, JCD0448S12-H, JCD0448S15-H, JCD0448S18-H, JCD0448S24-H, JCD0448D03-H, JCD0448D05-H, JCD0448D7V2-H, JCD0448D09-H, JCD0448D12-H, JCD0448D15-H, JCD0448D18-H, JCD0448D24-H, JCD0512S3V3, JCD0512S05, JCD0512S7V2, JCD0512S09, JCD0512S12, JCD0512S15, JCD0512S18, JCD0512S24, JCD0512D03, JCD0512D05, JCD0512D7V2, JCD0512D09, JCD0512D12, JCD0512D15, JCD0512D18, JCD0512D24, JCD0524S3V3, JCD0524S05, JCD0524S7V2, JCD0524S09, JCD0524S12, JCD0524S15, JCD0524S18, JCD0524S24, JCD0524D03, JCD0524D05, JCD0524D7V2, JCD0524D09, JCD0524D12, JCD0524D15, JCD0524D18, JCD0524D24, JCD0548S3V3, JCD0548S05, JCD0548S7V2, JCD0548S09, JCD0548S12, JCD0548S15, JCD0548S18, JCD0548S24, JCD0548D03, JCD0548D05, JCD0548D7V2, JCD0548D09, JCD0548D12, JCD0548D15, JCD0548D18, JCD0548D24, JCD0512S3V3-H, JCD0512S05-H, JCD0512S7V2-H, JCD0512S09-H, JCD0512S12-H, JCD0512S15-H, JCD0512S18-H, JCD0512S24-H, JCD0512D03-H, JCD0512D05-H, JCD0512D7V2-H, JCD0512D09-H, JCD0512D12-H, JCD0512D15-H, JCD0512D18-H, JCD0512D24-H, JCD0524S3V3-H, JCD0524S05-H, JCD0524S7V2-H, JCD0524S09-H, JCD0524S12-H, JCD0524S15-H, JCD0524S18-H, JCD0524S24-H, JCD0524D03-H, JCD0524D05-H, JCD0524D7V2-H, JCD0524D09-H, JCD0524D12-H, JCD0524D15-H, JCD0524D18-H, JCD0524D24-H, JCD0548S3V3-H, JCD0548S05-H, JCD0548S7V2-H, JCD0548S09-H, JCD0548S12-H, JCD0548S15-H, JCD0548S18-H, JCD0548S24-H, JCD0548D03-H, JCD0548D05-H, JCD0548D7V2-H, JCD0548D09-H, JCD0548D12-H, JCD0548D15-H, JCD0548D18-H, JCD0548D24-H, JCD0612S3V3, JCD0612S05, JCD0612S7V2, JCD0612S09, JCD0612S12, JCD0612S15,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

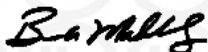
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

JCD0612S18, JCD0612S24, JCD0612D03, JCD0612D05, JCD0612D7V2, JCD0612D09, JCD0612D12, JCD0612D15, JCD0612D18, JCD0612D24, JCD0624S3V3, JCD0624S05, JCD0624S7V2, JCD0624S09, JCD0624S12, JCD0624S15, JCD0624S18, JCD0624S24, JCD0624D03, JCD0624D05, JCD0624D7V2, JCD0624D09, JCD0624D12, JCD0624D15, JCD0624D18, JCD0624D24, JCD0648S3V3, JCD0648S05, JCD0648S7V2, JCD0648S09, JCD0648S12, JCD0648S15, JCD0648S18, JCD0648S24, JCD0648D03, JCD0648D05, JCD0648D7V2, JCD0648D09, JCD0648D12, JCD0648D15, JCD0648D18, JCD0648D24, JCD0612S3V3-H, JCD0612S05-H, JCD0612S7V2-H, JCD0612S09-H, JCD0612S12-H, JCD0612S15-H, JCD0612S18-H, JCD0612S24-H, JCD0612D03-H, JCD0612D05-H, JCD0612D7V2-H, JCD0612D09-H, JCD0612D12-H, JCD0612D15-H, JCD0612D18-H, JCD0612D24-H, JCD0624S3V3-H, JCD0624S05-H, JCD0624S7V2-H, JCD0624S09-H, JCD0624S12-H, JCD0624S15-H, JCD0624S18-H, JCD0624S24-H, JCD0624D03-H, JCD0624D05-H, JCD0624D7V2-H, JCD0624D09-H, JCD0624D12-H, JCD0624D15-H, JCD06124D18-H, JCD0624D24-H, JCD0648S3V3-H, JCD0648S05-H, JCD0648S7V2-H, JCD0648S09-H, JCD0648S12-H, JCD0648S15-H, JCD0648S18-H, JCD0648S24-H, JCD0648D03-H, JCD0648D05-H, JCD0648D7V2-H, JCD0648D09-H, JCD0648D12-H, JCD0648D15-H, JCD0648D18-H, JCD0648D24-H, JCJ0812S3V3, JCJ0812S05, JCJ0812S7V2, JCJ0812S09, JCJ0812S12, JCJ0812S15, JCJ0812D05, JCJ0812D7V2, JCJ0812D09, JCJ0812D12, JCJ0812D15, JCJ0824S3V3, JCJ0824S05, JCJ0824S7V2, JCJ0824S09, JCJ0824S12, JCJ0824S15, JCJ0824D05, JCJ0824D7V2, JCJ0824D09, JCJ0824D12, JCJ0824D15, JCJ0848S7V2, JCJ0848S09, JCJ0848D05, JCJ0848D7V2, JCJ0848D09, JCJ0848D12, JCJ0848D15, JCJ1012S2V5, JCJ1012S3V3, JCJ1012S05, JCJ1012S12, JCJ1012S15, JCJ1012D12, JCJ1012D15, JCJ1024S2V5, JCJ1024S3V3, JCJ1024S05, JCJ1024S12, JCJ1024S15, JCJ1024D12, JCJ1024D15, JCJ1048S2V5, JCJ1048S3V3, JCJ1048S05, JCJ1048S12, JCJ1048S15, JCJ1048D12, JCJ1048D15, JCK5012S3V3, JCK5012S05, JCK5012S12, JCK5012S15, JCK5024S3V3, JCK5024S05, JCK5024S12, JCK5024S15, JCK5048S3V3, JCK5048S05, JCK5048S12, JCK5048S15, JCK5012S3V3-HK, JCK5012S05-HK, JCK5012S12-HK, JCK5012S15-HK, JCK5024S3V3-HK, JCK5024S05-HK, JCK5024S12-HK, JCK5024S15-HK, JCK5048S3V3-HK, JCK5048S05-HK, JCK5048S12-HK, JCK5048S15-HK, IZ0503SA, IZ0505SA, IZ0512SA, IZ0515SA, IZ1203SA, IZ1205SA, IZ1212SA, IZ1215SA, IZ2403SA, IZ2405SA, IZ2412SA, IZ2415SA, IZ4803SA, IZ4805SA, IZ4812SA, IZ4815SA, IZ0503SA-H, IZ0505SA-H, IZ0512SA-H, IZ0515SA-H, IZ1203SA-H, IZ1205SA-H, IZ1212SA-H, IZ1215SA-H, IZ2403SA-H, IZ2405SA-H, IZ2412SA-H, IZ2415SA-H, IZ4803SA-H, IZ4805SA-H, IZ4812SA-H, IZ4815SA-H, IZ0505S, IZ0512S, IZ0515S, IZ1205S, IZ1212S, IZ1215S, IZ2405S, IZ2412S, IZ2415S, IZ4805S, IZ4812S, IZ4815S, IZ0505S-H, IZ0512S-H, IZ0515S-H, IZ1205S-H, IZ1212S-H, IZ1215S-H, IZ2405S-H, IZ2412S-H, IZ2415S-H, IZ4805S-H, IZ4812S-H, IZ4815S-H, ITX0503SA, ITX0505SA, ITX0509SA, ITX0512SA, ITX0515SA, ITX0524SA, ITX0505S, ITX0512S, ITX0515S, ITX1203SA, ITX1205SA, ITX1209SA, ITX1212SA, ITX1215SA, ITX1224SA, ITX1205S, ITX1212S, ITX1215S, ITX2403SA, ITX2405SA, ITX2409SA, ITX2412SA, ITX2415SA, ITX2424SA, ITX2405S, ITX2412S, ITX2415S, ITX4803SA, ITX4805SA, ITX4809SA, ITX4812SA, ITX4815SA, ITX4824SA, ITX4805S, ITX4812S, ITX4815S, ITX0503SA-H, ITX0505SA-H, ITX0509SA-H, ITX0512SA-H, ITX0515SA-H, ITX0524SA-H, ITX0505S-H, ITX0512S-H, ITX0515S-H, ITX1203SA-H, ITX1205SA-H, ITX1209SA-H, ITX1212SA-H, ITX1215SA-H, ITX1224SA-H, ITX1205S-H, ITX1212S-H, ITX1215S-H, ITX2403SA-H, ITX2405SA-H, ITX2409SA-H, ITX2412SA-H, ITX2415SA-H, ITX2424SA-H, ITX2405S-H, ITX2412S-H, ITX2415S-H, ITX4803SA-H, ITX4805SA-H, ITX4809SA-H, ITX4812SA-H, ITX4815SA-H, ITX4824SA-H, ITX4805S-H, ITX4812S-H, ITX4815S-H, ITX0503SA-R, ITX0505SA-R, ITX0509SA-R, ITX0512SA-R,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

ITX0515SA-R, ITX0524SA-R, ITX0505S-R, ITX0512S-R, ITX0515S-R, ITX1203SA-R, ITX1205SA-R, ITX1209SA-R, ITX1212SA-R, ITX1215SA-R, ITX1224SA-R, ITX1205S-R, ITX1212S-R, ITX1215S-R, ITX2403SA-R, ITX2405SA-R, ITX2409SA-R, ITX2412SA-R, ITX2415SA-R, ITX2424SA-R, ITX2405S-R, ITX2412S-R, ITX2415S-R, ITX4803SA-R, ITX4805SA-R, ITX4809SA-R, ITX4812SA-R, ITX4815SA-R, ITX4824SA-R, ITX4805S-R, ITX4812S-R, ITX4815S-R, ITX0503SA-HR, ITX0505SA-HR, ITX0509SA-HR, ITX0512SA-HR, ITX0515SA-HR, ITX0524SA-HR, ITX0505S-HR, ITX0512S-HR, ITX0515S-HR, ITX1203SA-HR, ITX1205SA-HR, ITX1209SA-HR, ITX1212SA-HR, ITX1215SA-HR, ITX1224SA-HR, ITX1205S-HR, ITX1212S-HR, ITX1215S-HR, ITX2403SA-HR, ITX2405SA-HR, ITX2409SA-HR, ITX2412SA-HR, ITX2415SA-HR, ITX2424SA-HR, ITX2405S-HR, ITX2412S-HR, ITX2415S-HR, ITX4803SA-HR, ITX4805SA-HR, ITX4809SA-HR, ITX4812SA-HR, ITX4815SA-HR, ITX4824SA-HR, ITX4805S-HR, ITX4812S-HR, ITX4815S-HR, ITQ2403SA, ITQ2405SA, ITQ2409SA, ITQ2412SA, ITQ2415SA, ITQ2424SA, ITQ2405S, ITQ2412S, ITQ2415S, ITQ4803SA, ITQ4805SA, ITQ4809SA, ITQ4812SA, ITQ4815SA, ITQ4824SA, ITQ4805S, ITQ4812S, ITQ4815S, ITQ2403SA-H, ITQ2405SA-H, ITQ2409SA-H, ITQ2412SA-H, ITQ2415SA-H, ITQ2424SA-H, ITQ2405S-H, ITQ2412S-H, ITQ2415S-H, ITQ4803SA-H, ITQ4805SA-H, ITQ4809SA-H, ITQ4812SA-H, ITQ4815SA-H, ITQ4824SA-H, ITQ4805S-H, ITQ4812S-H, ITQ4815S-H, JTL6024S05, JTL6024S12, JTL6024S15, JTL6048S05, JTL6048S12, JTL6048S15, JTL6024D12, JTL6024D15, JTL6048D12, JTL6048D15, JTL6024S05-HK, JTL6024S12-HK, JTL6024S15-HK, JTL6048S05-HK, JTL6048S12-HK, JTL6048S15-HK, JTL6024D12-HK, JTL6024D15-HK, JTL6048D12-HK, JTL6048D15-HK, JTF0824S3V3, JTF0824S05, JTF0824S12, JTF0824S15, JTF0824D05, JTF0824D12, JTF0824D15, JTF0848S3V3, JTF0848S05, JTF0848S12, JTF0848S15, JTF0848D05, JTF0848D12, JTF0848D15, JTF1024S3V3, JTF1024S05, JTF1024S12, JTF1024S15, JTF1024D05, JTF1024D12, JTF1024D15, JTF1048S3V3, JTF1048S05, JTF1048S12, JTF1048S15, JTF1048D05, JTF1048D12, JTF1048D15, JTF1224S3V3, JTF1224S05, JTF1224S12, JTF1224S15, JTF1224D05, JTF1224D12, JTF1224D15, JTF1248S3V3, JTF1248S05, JTF1248S12, JTF1248S15, JTF1248D05, JTF1248D12, JTF1248D15, JTD2024S3V3, JTD2024S05, JTD2024S12, JTD2024S15, JTD2048S3V3, JTD2048S05, JTD2048S12, JTD2048S15, JTD2024D05, JTD2024D12, JTD2024D15, JTD2048D05, JTD2048D12, JTD2048D15, JTD2024S3V3-HK, JTD2024S05-HK, JTD2024S12-HK, JTD2024S15-HK, JTD2048S3V3-HK, JTD2048S05-HK, JTD2048S12-HK, JTD2048S15-HK, JTD2024D05-HK, JTD2024D12-HK, JTD2024D15-HK, JTD2048D05-HK, JTD2048D12-HK, JTD2048D15-HK, JTD1524S3V3, JTD1524S05, JTD1524S12, JTD1524S15, JTD1548S3V3, JTD1548S05, JTD1548S12, JTD1548S15, JTD1524D05, JTD1524D12, JTD1524D15, JTD1548D05, JTD1548D12, JTD1548D15, JTD1524S3V3-HK, JTD1524S05-HK, JTD1524S12-HK, JTD1524S15-HK, JTD1548S3V3-HK, JTD1548S05-HK, JTD1548S12-HK, JTD1548S15-HK, JTD1524D05-HK, JTD1524D12-HK, JTD1524D15-HK, JTD1548D05-HK, JTD1548D12-HK, JTD1548D15-HK, IW0503SA, IW0505SA, IW0507SA, IW0509SA, IW0512SA, IW0515SA, IW0518SA, IW0524SA, IW1203SA, IW1205SA, IW1207SA, IW1209SA, IW1212SA, IW1215SA, IW1218SA, IW1224SA, IW2403SA, IW2405SA, IW2407SA, IW2409SA, IW2412SA, IW2415SA, IW2418SA, IW2424SA, IW4803SA, IW4805SA, IW4807SA, IW4809SA, IW4812SA, IW4815SA, IW4818SA, IW4824SA, IW0503SA-H, IW0505SA-H, IW0507SA-H, IW0509SA-H, IW0512SA-H, IW0515SA-H, IW0518SA-H, IW0524SA-H, IW1203SA-H, IW1205SA-H, IW1207SA-H, IW1209SA-H, IW1212SA-H, IW1215SA-H, IW1218SA-H, IW1224SA-H, IW2403SA-H, IW2405SA-H, IW2407SA-H, IW2409SA-H, IW2412SA-H, IW2415SA-H, IW2418SA-H, IW2424SA-H, IW4803SA-H, IW4805SA-H, IW4807SA-H, IW4809SA-H, IW4812SA-H, IW4815SA-H, IW4818SA-H, IW4824SA-H, IW0503SA-R, IW0505SA-R, IW0507SA-R, IW0509SA-R, IW0512SA-R, IW0515SA-R, IW0518SA-R,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

IW0524SA-R, IW1203SA-R, IW1205SA-R, IW1207SA-R, IW1209SA-R, IW1212SA-R, IW1215SA-R, IW1218SA-R, IW1224SA-R, IW2403SA-R, IW2405SA-R, IW2407SA-R, IW2409SA-R, IW2412SA-R, IW2415SA-R, IW2418SA-R, IW2424SA-R, IW4803SA-R, IW4805SA-R, IW4807SA-R, IW4809SA-R, IW4812SA-R, IW4815SA-R, IW4818SA-R, IW4824SA-R, IW0503SA-HR, IW0505SA-HR, IW0507SA-HR, IW0509SA-HR, IW0512SA-HR, IW0515SA-HR, IW0518SA-HR, IW0524SA-HR, IW1203SA-HR, IW1205SA-HR, IW1207SA-HR, IW1209SA-HR, IW1212SA-HR, IW1215SA-HR, IW1218SA-HR, IW1224SA-HR, IW2403SA-HR, IW2405SA-HR, IW2407SA-HR, IW2409SA-HR, IW2412SA-HR, IW2415SA-HR, IW2418SA-HR, IW2424SA-HR, IW4803SA-HR, IW4805SA-HR, IW4807SA-HR, IW4809SA-HR, IW4812SA-HR, IW4815SA-HR, IW4818SA-HR, IW4824SA-HR, IU0503SA, IU0505SA, IU0507SA, IU0509SA, IU0512SA, IU0515SA, IU0518SA, IU0524SA, IU1203SA, IU1205SA, IU1207SA, IU1209SA, IU1212SA, IU1215SA, IU1218SA, IU1224SA, IU2403SA, IU2405SA, IU2407SA, IU2409SA, IU2412SA, IU2415SA, VB-2418S2, VB-2424S2, VB-483R3S2, VB-4805S2, VB-487R2S2, VB-4809S2, VB-4812S2, VB-4815S2, VB-4818S2, VB-4824S2, VB-053R3S2H, VB-0505S2H, VB-057R2S2H, VB-0509S2H, VB-0512S2H, VB-0515S2H, VB-0518S2H, VB-0524S2H, VB-123R3S2H, VB-1205S2H, VB-127R2S2H, VB-1209S2H, VB-1212S2H, VB-1215S2H, VB-1218S2H, VB-1224S2H, VB-243R3S2H, VB-2405S2H, VB-247R2S2H, VB-2409S2H, IU2412SA-H, IU2415SA-H, IU2418SA-H, IU2424SA-H, IU4803SA-H, IU4805SA-H, IU4807SA-H, IU4809SA-H, IU4812SA-H, IU4815SA-H, IU4818SA-H, IU4824SA-H, IU0503SA-R, IU0505SA-R, IU0507SA-R, IU0509SA-R, IU0512SA-R, IU0515SA-R, IU0518SA-R, IU0524SA-R, IU1203SA-R, IU1205SA-R, IU1207SA-R, IU1209SA-R, IU1212SA-R, IU1215SA-R, IU1218SA-R, IU1224SA-R, IU2403SA-R, IU2405SA-R, IU2407SA-R, IU2409SA-R, IU2412SA-R, IU2415SA-R, IU2418SA-R, IU2424SA-R, IU4803SA-R, IU4805SA-R, IU4807SA-R, IU4809SA-R, IU4812SA-R, IU4815SA-R, IU4818SA-R, IU4824SA-R, IU0503SA-HR, IU0505SA-HR, IU0507SA-HR, IU0509SA-HR, IU0512SA-HR, IU0515SA-HR, IU0518SA-HR, IU0524SA-HR, IU1203SA-HR, IU1205SA-HR, IU1207SA-HR, IU1209SA-HR, IU1212SA-HR, IU1215SA-HR, IU1218SA-HR, IU1224SA-HR, IU2403SA-HR, IU2405SA-HR, IU2407SA-HR, IU2409SA-HR, IU2412SA-HR, IU2415SA-HR, IU2418SA-HR, IU2424SA-HR, IU4803SA-HR, IU4805SA-HR, IU4807SA-HR, IU4809SA-HR, IU4812SA-HR, IU4815SA-HR, IU4818SA-HR, IU4824SA-HR, IW0503DA, IW0505DA, IW0507DA, IW0509DA, IW0512DA, IW0515DA, IW0518DA, IW0524DA, IW1203DA, IW1205DA, IW1207DA, IW1209DA, IW1212DA, IW1215DA, IW1218DA, IW1224DA, IW2403DA, IW2405DA, IW2407DA, IW2409DA, IW2412DA, IW2415DA, IW2418DA, IW2424DA, IW4803DA, IW4805DA, IW4807DA, IW4809DA, IW4812DA, IW4815DA, IW4818DA, IW4824DA, IU0503DA, IU0505DA, IU0507DA, IU0509DA, IU0512DA, IU0515DA, IU0518DA, IU0524DA, IU1203DA, IU1205DA, IU1207DA, IU1209DA, IU1212DA, IU1215DA, IU1218DA, IU1224DA, IU2403DA, IU2405DA, IU2407DA, IU2409DA, IU2412DA, IU2415DA, IU2418DA, IU2424DA, IU4803DA, IU4805DA, IU4807DA, IU4809DA, IU4812DA, IU4815DA, IU4818DA, IU4824DA, IW0503DA-H, IW0505DA-H, IW0507DA-H, IW0509DA-H, IW0512DA-H, IW0515DA-H, IW0518DA-H, IW0524DA-H, IW1203DA-H, IW1205DA-H, IW1207DA-H, IW1209DA-H, IW1212DA-H, IW1215DA-H, IW1218DA-H, IW1224DA-H, IW2403DA-H, IW2405DA-H, IW2407DA-H, IW2409DA-H, IW2412DA-H, IW2415DA-H, IW2418DA-H, IW2424DA-H, IW4803DA-H, IW4805DA-H, IW4807DA-H, IW4809DA-H, IW4812DA-H, IW4815DA-H, IW4818DA-H, IW4824DA-H, IU0503DA-H, IU0505DA-H, IU0507DA-H, IU0509DA-H, IU0512DA-H, IU0515DA-H, IU0518DA-H, IU0524DA-H, IU1203DA-H, IU1205DA-H, IU1207DA-H, IU1209DA-H, IU1212DA-H, IU1215DA-H, IU1218DA-H, IU1224DA-H, IU2403DA-H, IU2405DA-H, IU2407DA-H, IU2409DA-H, IU2412DA-H, IU2415DA-H, IU2418DA-H, IU2424DA-H, IU4803DA-H, IU4805DA-H, IU4807DA-H, IU4809DA-H, IU4812DA-H, IU4815DA-H, IU4818DA-H,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

IU4824DA-H, IW0503S, IW0505S, IW0507S, IW0509S, IW0512S, IW0515S, IU1203DA-H, IU1205DA-H, IU1207DA-H, IU1209DA-H, IU1212DA-H, IU1215DA-H, IU1218DA-H, IU1224DA-H, IU2403DA-H, IU2405DA-H, IU2407DA-H, IU2409DA-H, IU2412DA-H, IU2415DA-H, IU2418DA-H, IU2424DA-H, IU4803DA-H, IU4805DA-H, IU4807DA-H, IU4809DA-H, IU4812DA-H, IU4815DA-H, IU4818DA-H, IU4824DA-H, IW0503S, IW0505S, IW0507S, IW0509S, IW0512S, IW0515S, IW0507S-R, IW0509S-R, IW0512S-R, IW0515S-R, IW0518S-R, IW0524S-R, IW1203S-R, IW1205S-R, IW1207S-R, IW1209S-R, IW1212S-R, IW1215S-R, IW1218S-R, IW1224S-R, IW2403S-R, IW2405S-R, IW2407S-R, IW2409S-R, IW2412S-R, IW2415S-R, IW2418S-R, IW2424S-R, IW4803S-R, IW4805S-R, IW4807S-R, IW4809S-R, IW4812S-R, IW4815S-R, IW4818S-R, IW4824S-R, IW0503S-HR, IW0505S-HR, IW0507S-HR, IW0509S-HR, IW0512S-HR, IW0515S-HR, IW0518S-HR, IW0524S-HR, IW1203S-HR, IW1205S-HR, IW1207S-HR, IW1209S-HR, IW1212S-HR, IW1215S-HR, IW1218S-HR, IW1224S-HR, IW2403S-HR, IW2405S-HR, IW2407S-HR, IW2409S-HR, IW2412S-HR, IW2415S-HR, IW2418S-HR, IW2424S-HR, IW4803S-HR, IW4805S-HR, IW4807S-HR, IW4809S-HR, IW4812S-HR, IW4815S-HR, IW4818S-HR, IW4824S-HR, IU0503S, IU0505S, IU0507S, IU0509S, IU0512S, IU0515S, IU0518S, IU0524S, IU1203S, IU1205S, IU1207S, IU1209S, IU1212S, IU1215S, IU1218S, IU1224S, IU2403S, IU2405S, IU2407S, IU2409S, IU2412S, IU2415S, IU2418S, IU2424S, IU4803S, IU4805S, IU4807S, IU4809S, IU4812S, IU4815S, IU4818S, IU4824S, IU0503S-H, IU0505S-H, IU0507S-H, IU0509S-H, IU0512S-H, IU0515S-H, IU0518S-H, IU0524S-H, IU1203S-H, IU1205S-H, IU1207S-H, IU1209S-H, IU1212S-H, IU1215S-H, IU1218S-H, IU1224S-H, IU2403S-H, IU2405S-H, IU2407S-H, IU2409S-H, IU2412S-H, IU2415S-H, IU2418S-H, IU2424S-H, IU4803S-H, IU4805S-H, IU4807S-H, IU4809S-H, IU4812S-H, IU4815S-H, IU4818S-H, IU4824S-H, IU0503S-R, IU0505S-R, IU0507S-R, IU0509S-R, IU0512S-R, IU0515S-R, IU0518S-R, IU0524S-R, IU1203S-R, IU1205S-R, IU1207S-R, IU1209S-R, IU1212S-R, IU1215S-R, IU1218S-R, IU1224S-R, IU2403S-R, IU2405S-R, IU2407S-R, IU2409S-R, IU2412S-R, IU2415S-R, IU2418S-R, IU2424S-R, IU4803S-R, IU4805S-R, IU4807S-R, IU4809S-R, IU4812S-R, IU4815S-R, IU4818S-R, IU4824S-R, IU0503S-HR, IU0505S-HR, IU0507S-HR, IU0509S-HR, IU0512S-HR, IU0515S-HR, IU0518S-HR, IU0524S-HR, IU1203S-HR, IU1205S-HR, IU1207S-HR, IU1209S-HR, IU1212S-HR, IU1215S-HR, IU1218S-HR, IU1224S-HR, IU2403S-HR, IU2405S-HR, IU2407S-HR, IU2409S-HR, IU2412S-HR, IU2415S-HR, IU2418S-HR, IU2424S-HR, IU4803S-HR, IU4805S-HR, IU4807S-HR, IU4809S-HR, IU4812S-HR, IU4815S-HR, IU4818S-HR, IU4824S-HR, IW0503D, IW0505D, IW0507D, IW0509D, IW0512D, IW0515D, IW0518D, IW0524D, IW1203D, IW1205D, IW1207D, IW1209D, IW1212D, IW1215D, IW1218D, IW1224D, IW2403D, IW2405D, IW2407D, IW2409D, IW2412D, IW2415D, IW2418D, IW2424D, IW4803D, IW4805D, IW4807D, IW4809D, IW4812D, IW4815D, IW4818D, IW4824D, IW0503D-H, IW0505D-H, IW0507D-H, IW0509D-H, IW0512D-H, IW0515D-H, IW0518D-H, IW0524D-H, IW1203D-H, IW1205D-H, IW1207D-H, IW1209D-H, IW1212D-H, IW1215D-H, IW1218D-H, IW1224D-H, IW2403D-H, IW2405D-H, IW2407D-H, IW2409D-H, IW2412D-H, IW2415D-H, IW2418D-H, IW2424D-H, IW4803D-H, IW4805D-H, IW4807D-H, IW4809D-H, IW4812D-H, IW4815D-H, IW4818D-H, IW4824D-H, IU0503D, IU0505D, IU0507D, IU0509D, IU0512D, IU0515D, IU0518D, IU0524D, IU1203D, IU1205D, IU1207D, IU1209D, IU1212D, IU1215D, IU1218D, IU1224D, IU2403D, IU2405D, IU2407D, IU2409D, IU2412D, IU2415D, IU2418D, IU2424D, IU4803D, IU4805D, IU4807D, IU4809D, IU4812D, IU4815D, IU4818D, IU4824D, IU0503D-H, IU0505D-H, IU0507D-H, IU0509D-H, IU0512D-H, IU0515D-H, IU0518D-H, IU0524D-H, IU1203D-H, IU1205D-H, IU1207D-H, IU1209D-H, IU1212D-H, IU1215D-H, IU1218D-H, IU1224D-H, IU2403D-H, IU2405D-H, IU2407D-H, IU2409D-H, IU2412D-H, IU2415D-H, IU2418D-H, IU2424D-H, IU4803D-H, IU4805D-H, IU4807D-H, IU4809D-H, IU4812D-H, IU4815D-H, IU4818D-H, IU4824D-H



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

QQGQ2, QQGQ8 Only:

JTE0324S3V3, JTE0324S05, JTE0324S12, JTE0324S15, JTE0324S24, JTE0324D03, JTE0324D05, JTE0324D12, JTE0324D15, JTE0324D24, JTE0348S3V3, JTE0348S05, JTE0348S12, JTE0348S15, JTE0348S24, JTE0348D03, JTE0348D05, JTE0348D12, JTE0348D15, JTE0348D24, JTE0324S3V3-H, JTE0324S05-H, JTE0324S12-H, JTE0324S15-H, JTE0324S24-H, JTE0324D03-H, JTE0324D05-H, JTE0324D12-H, JTE0324D15-H, JTE0324D24-H, JTE0348S3V3-H, JTE0348S05-H, JTE0348S12-H, JTE0348S15-H, JTE0348S24-H, JTE0348D03-H, JTE0348D05-H, JTE0348D12-H, JTE0348D15-H, JTE0348D24-H, JTE0624S15, JTE0624S24, JTE0624D03, JTE0624D05, JTE0624D12, JTE0624D15, JTE0624D24, JTE0648S3V3, JTE0648S05, JTE0648S12, JTE0648S15, JTE0648S24, JTE0648D03, JTE0648D05, JTE0648D12, JTE0648D15, JTE0648D24, JTE0624S3V3-H, JTE0624S05-H, JTE0624S12-H, JTE0624S15-H, JTE0624S24-H, JTE0624D03-H, JTE0624D05-H, JTE0624D12-H, JTE0624D15-H, JTE0624D24-H, JTE0648S3V3-H, JTE0648S05-H, JTE0648S12-H, JTE0648S15-H, JTE0648S24-H, JTE0648D03-H, JTE0648D05-H, JTE0648D12-H, JTE0648D15-H, JTE0648D24-H, JCE0324D03, JCE0324D05, JCE0324D12, JCE0324D15, JCE0324D24, JCE0348S3V3, JCE0348S05, JCE0348S12, JCE0348S15, JCE0348S24, JCE0348D03, JCE0348D05, JCE0348D12, JCE0348D15, JCE0348D24, JCE0312S3V3-H, JCE0312S05-H, JCE0312S12-H, JCE0312S15-H, JCE0312S24-H, JCE0312D03-H, JCE0312D05-H, JCE0312D12-H, JCE0312D15-H, JCE0312D24-H, JCE0324S3V3-H, JCE0324S05-H, JCE0324S12-H, JCE0324S15-H, JCE0324S24-H, JCE0324D03-H, JCE0324D05-H, JCE0324D12-H, JCE0324D15-H, JCE0324D24-H, JCE0348S3V3-H, JCE0348S05-H, JCE0348S12-H, JCE0348S15-H, JCE0348S24-H, JCE0348D03-H, JCE0348D05-H, JCE0348D12-H, JCE0348D15-H, JCE0348D24-H, JCE0612S3V3, JCE0612S05, JCE0612S12, JCE0612S15, JCE0612S24, JCE0612D03, JCE0612D05, JCE0612D12, JCE0612D15, JCE0612D24, JCE0624S3V3, JCE0624S05, JCE0624S12, JCE0624S15, JCE0624S24, JCE0624D03, JCE0624D05, JCE0624D12, JCE0624D15, JCE0624D24, JCE0648S3V3, JCE0648S05, JCE0648S12, JCE0648S15, JCE0648S24, JCE0648D03, JCE0648D05, JCE0648D12, JCE0648D15, JCE0648D24, JCE0612S3V3-H, JCE0612S05-H, JCE0612S12-H, JCE0612S15-H, JCE0612S24-H, JCE0612D03-H, JCE0612D05-H, JCE0612D12-H, JCE0612D15-H, JCE0612D24-H, JCE0624S05-H, JCE0624S12-H, JCE0624S15-H, JCE0624S24-H, JCE0624D03-H, JCE0624D05-H, JCE0624D12-H, JCE0624D15-H, JCE0624D24-H, JCE0648S3V3-H, JCE0648S05-H, JCE0648S12-H, JCE0648S15-H, JCE0648S24-H, JCE0648D03-H, JCE0648D05-H, JCE0648D12-H, JCE0648D15-H, JCE0648D24-H, ITW0505SA, ITW0512SA, ITW0515SA, ITW0524SA, ITW0512S, ITW0515S, ITW1205SA, ITW1212SA, ITW1215SA, ITW1224SA, ITW1212S, ITW1215S, ITW2405SA, ITW2412SA, ITW2415SA, ITW2424SA, ITW2412S, ITW2415S, ITW4805SA, ITW4812SA, ITW4815SA, ITW4824SA, ITW4812S, ITW4815S, IB0303S, IB0305S, IB0307S, IB0309S, IB0312S, IB0315S, IB0318S, IB0324S, IB0503S, IB0505S, IB0507S, IB0509S, IB0512S, IB0515S, IB0518S, IB0524S, IB1203S, IB1205S, IB1207S, IB1209S, IB1212S, IB1215S, IB1218S, IB1224S, IB1503S, IB1505S, IB1507S, IB1509S, IB1512S, IB1515S, IB1518S, IB1524S, IB2403S, IB2405S, IB2407S, IB2409S, IB2412S, IB2415S, IB2418S, IB2424S, IB4803S, IB4805S, IB4807S, IB4809S, IB4812S, IB4815S, IB4818S, IB4824S, IV0303SA, IV0305SA, IV0307SA, IV0309SA, IV0312SA, IV0315SA, IV0318SA, IV0324SA, IV0503SA, IV0505SA, IV0507SA, IV0509SA, IV0512SA, IV0515SA, IV0518SA, IV0524SA, IV1203SA, IV1205SA, IV1207SA, IV1209SA, IV1212SA, IV1215SA, IV1218SA, IV1224SA, IV1503SA, IV1505SA, IV1507SA, IV1509SA, IV1512SA, IV1515SA, IV1518SA, IV1524SA, IV2403SA, IV2405SA,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

IV2407SA, IV2409SA, IV2412SA, IV2415SA, IV2418SA, IV2424SA, IV4803SA, IV4805SA, IV4807SA, IV4809SA, IV4812SA, IV4815SA, IV4818SA, IV4824SA, IV0303SA-H4, IV0305SA-H4, IV0307SA-H4, IV0309SA-H4, IV0312SA-H4, IV0315SA-H4, IV0318SA-H4, IV0324SA-H4, IV0503SA-H4, IV0505SA-H4, IV0507SA-H4, IV0509SA-H4, IV0512SA-H4, IV0515SA-H4, IV0518SA-H4, IV0524SA-H4, IV1203SA-H4, IV1205SA-H4, IV1207SA-H4, IV1209SA-H4, IV1212SA-H4, IV1215SA-H4, IV1218SA-H4, IV1224SA-H4, IV1503SA-H4, IV1505SA-H4, IV1507SA-H4, IV1509SA-H4, IV1512SA-H4, IV1515SA-H4, IV1518SA-H4, IV1524SA-H4, IV2403SA-H4, IV2405SA-H4, IV2407SA-H4, IV2409SA-H4, IV2412SA-H4, IV2415SA-H4, IV2418SA-H4, IV2424SA-H4, IV4803SA-H4, IV4805SA-H4, IV4807SA-H4, IV4809SA-H4, IV4812SA-H4, IV4815SA-H4, IV4818SA-H4, IV4824SA-H4, IV0303SA-H5, IV0305SA-H5, IV0307SA-H5, IV0309SA-H5, IV0312SA-H5, IV0315SA-H5, IV0318SA-H5, IV0324SA-H5, IV0503SA-H5, IV0505SA-H5, IV0507SA-H5, IV0509SA-H5, IV0512SA-H5, IV0515SA-H5, IV0518SA-H5, IV0524SA-H5, IV1203SA-H5, IV1205SA-H5, IV1207SA-H5, IV1209SA-H5, IV1212SA-H5, IV1215SA-H5, IV1218SA-H5, IV1224SA-H5, IV1503SA-H5, IV1505SA-H5, IV1507SA-H5, IV1509SA-H5, IV1512SA-H5, IV1515SA-H5, IV1518SA-H5, IV1524SA-H5, IV2403SA-H5, IV2405SA-H5, IV2407SA-H5, IV2409SA-H5, IV2412SA-H5, IV2415SA-H5, IV2418SA-H5, IV2424SA-H5, IV4803SA-H5, IV4805SA-H5, IV4807SA-H5, IV4809SA-H5, IV4812SA-H5, IV4815SA-H5, IV4818SA-H5, IV4824SA-H5, IV0303SA-H6, IV0305SA-H6, IV0307SA-H6, IV0309SA-H6, IV0312SA-H6, IV0315SA-H6, IV0318SA-H6, IV0324SA-H6, IV0503SA-H6, IV0505SA-H6, IV0507SA-H6, IV0509SA-H6, IV0512SA-H6, IV0515SA-H6, IV0518SA-H6, IV0524SA-H6, IV1203SA-H6, IV1205SA-H6, IV1207SA-H6, IV1209SA-H6, IV1212SA-H6, IV1215SA-H6, IV1218SA-H6, IV1224SA-H6, IV1503SA-H6, IV1505SA-H6, IV1507SA-H6, IV1509SA-H6, IV1512SA-H6, IV1515SA-H6, IV1518SA-H6, IV1524SA-H6, IV2403SA-H6, IV2405SA-H6, IV2407SA-H6, IV2409SA-H6, IV2412SA-H6, IV2415SA-H6, IV2418SA-H6, IV2424SA-H6, IV4803SA-H6, IV4805SA-H6, IV4807SA-H6, IV4809SA-H6, IV4812SA-H6, IV4815SA-H6, IV4818SA-H6, IV4824SA-H6, IA0303S, IA0305S, IA0307S, IA0309S, IA0312S, IA0315S, IA0318S, IA0324S, IA0503S, IA0505S, IA0507S, IA0509S, IA0512S, IA0515S, IA0518S, IA0524S, IA1203S, IA1205S, IA1207S, IA1209S, IA1212S, IA1215S, IA1218S, IA1224S, IA1503S, IA1505S, IA1507S, IA1509S, IA1512S, IA1515S, IA1518S, IA1524S, IA2403S, IA2405S, IA2407S, IA2409S, IA2412S, IA2415S, IA2418S, IA2424S, IA4803S, IA4805S, IA4807S, IA4809S, IA4812S, IA4815S, IA4818S, IA4824S, IV0303S, IV0305S, IV0307S, IV0309S, IV0312S, IV0315S, IV0318S, IV0324S, IV0503S, IV0505S, IV0507S, IV0509S, IV0512S, IV0515S, IV0518S, IV0524S, IV1203S, IV1205S, IV1207S, IV1209S, IV1212S, IV1215S, IV1218S, IV1224S, IV1503S, IV1505S, IV1507S, IV1509S, IV1512S, IV1515S, IV1518S, IV1524S, IV2403S, IV2405S, IV2407S, IV2409S, IV2412S, IV2415S, IV2418S, IV2424S, IV4803S, IV4805S, IV4807S, IV4809S, IV4812S, IV4815S, IV4818S, IV4824S, IV0303S-H4, IV0305S-H4, IV0307S-H4, IV0309S-H4, IV0312S-H4, IV0315S-H4, IV0318S-H4, IV0324S-H4, IV0503S-H4, IV0505S-H4, IV0507S-H4, IV0509S-H4, IV0512S-H4, IV0515S-H4, IV0518S-H4, IV0524S-H4, IV1203S-H4, IV1205S-H4, IV1207S-H4, IV1209S-H4, IV1212S-H4, IV1215S-H4, IV1218S-H4, IV1224S-H4, IV1503S-H4, IV1505S-H4, IV1507S-H4, IV1509S-H4, IV1512S-H4, IV1515S-H4, IV1518S-H4, IV1524S-H4, IV2403S-H4, IV2405S-H4, IV2407S-H4, IV2409S-H4, IV2412S-H4, IV2415S-H4, IV2418S-H4, IV2424S-H4, IV4803S-H4, IV4805S-H4, IV4807S-H4, IV4809S-H4, IV4812S-H4, IV4815S-H4, IV4818S-H4, IV4824S-H4, IV0303S-H5, IV0305S-H5, IV0307S-H5, IV0309S-H5, IV0312S-H5, IV0315S-H5, IV0318S-H5, IV0324S-H5, IV0503S-H5, IV0505S-H5, IV0507S-H5, IV0509S-H5, IV0512S-H5, IV0515S-H5, IV0518S-H5, IV0524S-H5, IV1203S-H5, IV1205S-H5, IV1207S-H5, IV1209S-H5, IV1212S-H5, IV1215S-H5, IV1218S-H5, IV1224S-H5, IV1503S-H5, IV1505S-H5, IV1507S-H5,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

IV1509S-H5, IV1512S-H5, IV1515S-H5, IV1518S-H5, IV1524S-H5, IV2403S-H5, IV2405S-H5, IV2407S-H5, IV2409S-H5, IV2412S-H5, IV2415S-H5, IV2418S-H5, IV2424S-H5, IV4803S-H5, IV4805S-H5, IV4807S-H5, IV4809S-H5, IV4812S-H5, IV4815S-H5, IV4818S-H5, IV4824S-H5, IV0303S-H6, IV0305S-H6, IV0307S-H6, IV0309S-H6, IV0312S-H6, IV0315S-H6, IV0318S-H6, IV0324S-H6, IV0503S-H6, IV0505S-H6, IV0507S-H6, IV0509S-H6, IV0512S-H6, IV0515S-H6, IV0518S-H6, IV0524S-H6, IV1203S-H6, IV1205S-H6, IV1207S-H6, IV1209S-H6, IV1212S-H6, IV1215S-H6, IV1218S-H6, IV1224S-H6, IV1503S-H6, IV1505S-H6, IV1507S-H6, IV1509S-H6, IV1512S-H6, IV1515S-H6, IV1518S-H6, IV1524S-H6, IV2403S-H6, IV2405S-H6, IV2407S-H6, IV2409S-H6, IV2412S-H6, IV2415S-H6, IV2418S-H6, IV2424S-H6, IV4803S-H6, IV4805S-H6, IV4807S-H6, IV4809S-H6, IV4812S-H6, IV4815S-H6, IV4818S-H6, IV4824S-H6, IB0303D, IB0305D, IB0307D, IB0309D, IB0312D, IB0315D, IB0318D, IB0324D, IB0503D, IB0505D, IB0507D, IB0509D, IB0512D, IB0515D, IB0518D, IB0524D, IB1203D, IB1205D, IB1207D, IB1209D, IB1212D, IB1215D, IB1218D, IB1224D, IB1503D, IB1505D, IB1507D, IB1509D, IB1512D, IB1515D, IB1518D, IB1524D, IB2403D, IB2405D, IB2407D, IB2409D, IB2412D, IB2415D, IB2418D, IB2424D, IB4803D, IB4805D, IB4807D, IB4809D, IB4812D, IB4815D, IB4818D, IB4824D, IV0303DA, IV0305DA, IV0307DA, IV0309DA, IV0312DA, IV0315DA, IV0318DA, IV0324DA, IV0503DA, IV0505DA, IV0507DA, IV0509DA, IV0512DA, IV0515DA, IV0518DA, IV0524DA, IV1203DA, IV1205DA, IV1207DA, IV1209DA, IV1212DA, IV1215DA, IV1218DA, IV1224DA, IV1503DA, IV1505DA, IV1507DA, IV1509DA, IV1512DA, IV1515DA, IV1518DA, IV1524DA, IV2403DA, IV2405DA, IV2407DA, IV2409DA, IV2412DA, IV2415DA, IV2418DA, IV2424DA, IV4803DA, IV4805DA, IV4807DA, IV4809DA, IV4812DA, IV4815DA, IV4818DA, IV4824DA, IV0303DA-H4, IV0305DA-H4, IV0307DA-H4, IV0309DA-H4, IV0312DA-H4, IV0315DA-H4, IV0318DA-H4, IV0324DA-H4, IV0503DA-H4, IV0505DA-H4, IV0507DA-H4, IV0509DA-H4, IV0512DA-H4, IV0515DA-H4, IV0518DA-H4, IV0524DA-H4, IV1203DA-H4, IV1205DA-H4, IV1207DA-H4, IV1209DA-H4, IV1212DA-H4, IV1215DA-H4, IV1218DA-H4, IV1224DA-H4, IV1503DA-H4, IV1505DA-H4, IV1507DA-H4, IV1509DA-H4, IV1512DA-H4, IV1515DA-H4, IV1518DA-H4, IV1524DA-H4, IV2403DA-H4, IV2405DA-H4, IV2407DA-H4, IV2409DA-H4, IV2412DA-H4, IV2415DA-H4, IV2418DA-H4, IV2424DA-H4, IV4803DA-H4, IV4805DA-H4, IV4807DA-H4, IV4809DA-H4, IV4812DA-H4, IV4815DA-H4, IV4818DA-H4, IV4824DA-H4, IV0303DA-H5, IV0305DA-H5, IV0307DA-H5, IV0309DA-H5, IV0312DA-H5, IV0315DA-H5, IV0318DA-H5, IV0324DA-H5, IV0503DA-H5, IV0505DA-H5, IV0507DA-H5, IV0509DA-H5, IV0512DA-H5, IV0515DA-H5, IV0518DA-H5, IV0524DA-H5, IV1203DA-H5, IV1205DA-H5, IV1207DA-H5, IV1209DA-H5, IV1212DA-H5, IV1215DA-H5, IV1218DA-H5, IV1224DA-H5, IV1503DA-H5, IV1505DA-H5, IV1507DA-H5, IV1509DA-H5, IV1512DA-H5, IV1515DA-H5, IV1518DA-H5, IV1524DA-H5, IV2403DA-H5, IV2405DA-H5, IV2407DA-H5, IV2409DA-H5, IV2412DA-H5, IV2415DA-H5, IV2418DA-H5, IV2424DA-H5, IV4803DA-H5, IV4805DA-H5, IV4807DA-H5, IV4809DA-H5, IV4812DA-H5, IV4815DA-H5, IV4818DA-H5, IV4824DA-H5, IV0303DA-H6, IV0305DA-H6, IV0307DA-H6, IV0309DA-H6, IV0312DA-H6, IV0315DA-H6, IV0318DA-H6, IV0324DA-H6, IV0503DA-H6, IV0505DA-H6, IV0507DA-H6, IV0509DA-H6, IV0512DA-H6, IV0515DA-H6, IV0518DA-H6, IV0524DA-H6, IV1203DA-H6, IV1205DA-H6, IV1207DA-H6, IV1209DA-H6, IV1212DA-H6, IV1215DA-H6, IV1218DA-H6, IV1224DA-H6, IV1503DA-H6, IV1505DA-H6, IV1507DA-H6, IV1509DA-H6, IV1512DA-H6, IV1515DA-H6, IV1518DA-H6, IV1524DA-H6, IV2403DA-H6, IV2405DA-H6, IV2407DA-H6, IV2409DA-H6, IV2412DA-H6, IV2415DA-H6, IV2418DA-H6, IV2424DA-H6, IV4803DA-H6, IV4805DA-H6, IV4807DA-H6, IV4809DA-H6, IV4812DA-H6, IV4815DA-H6, IV4818DA-H6, IV4824DA-H6, IA0303D, IA0305D, IA0307D, IA0309D, IA0312D, IA0315D, IA0318D, IA0324D, IA0503D, IA0505D, IA0507D, IA0509D, IA0512D, IA0515D, IA0518D, IA0524D, IA1203D, IA1205D,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



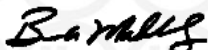
CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

IA1207D, IA1209D, IA1212D, IA1215D, IA1218D, IA1224D, IA1503D, IA1505D, IA1507D, IA1509D, IA1512D, IA1515D, IA1518D, IA1524D, IA2403D, IA2405D, IA2407D, IA2409D, IA2412D, IA2415D, IA2418D, IA2424D, IA4803D, IA4805D, IA4807D, IA4809D, IA4812D, IA4815D, IA4818D, IA4824D, IV0303D, IV0305D, IV0307D, IV0309D, IV0312D, IV0315D, IV0318D, IV0324D, IV0503D, IV0505D, IV0507D, IV0509D, IV0512D, IV0515D, IV0518D, IV0524D, IV1203D, IV1205D, IV1207D, IV1209D, IV1212D, IV1215D, IV1218D, IV1224D, IV1503D, IV1505D, IV1507D, IV1509D, IV1512D, IV1515D, IV1518D, IV1524D, IV2403D, IV2405D, IV2407D, IV2409D, IV2412D, IV2415D, IV2418D, IV2424D, IV4803D, IV4805D, IV4807D, IV4809D, IV4812D, IV4815D, IV4818D, IV4824D, IV0303D-H4, IV0305D-H4, IV0307D-H4, IV0309D-H4, IV0312D-H4, IV0315D-H4, IV0318D-H4, IV0324D-H4, IV0503D-H4, IV0505D-H4, IV0507D-H4, IV0509D-H4, IV0512D-H4, IV0515D-H4, IV0518D-H4, IV0524D-H4, IV1203D-H4, IV1205D-H4, IV1207D-H4, IV1209D-H4, IV1212D-H4, IV1215D-H4, IV1218D-H4, IV1224D-H4, IV1503D-H4, IV1505D-H4, IV1507D-H4, IV1509D-H4, IV1512D-H4, IV1515D-H4, IV1518D-H4, IV1524D-H4, IV2403D-H4, IV2405D-H4, IV2407D-H4, IV2409D-H4, IV2412D-H4, IV2415D-H4, IV2418D-H4, IV2424D-H4, IV4803D-H4, IV4805D-H4, IV4807D-H4, IV4809D-H4, IV4812D-H4, IV4815D-H4, IV4818D-H4, IV4824D-H4, IV0303D-H5, IV0305D-H5, IV0307D-H5, IV0309D-H5, IV0312D-H5, IV0315D-H5, IV0318D-H5, IV0324D-H5, IV0503D-H5, IV0505D-H5, IV0507D-H5, IV0509D-H5, IV0512D-H5, IV0515D-H5, IV0518D-H5, IV0524D-H5, IV1203D-H5, IV1205D-H5, IV1207D-H5, IV1209D-H5, IV1212D-H5, IV1215D-H5, IV1218D-H5, IV1224D-H5, IV1503D-H5, IV1505D-H5, IV1507D-H5, IV1509D-H5, IV1512D-H5, IV1515D-H5, IV1518D-H5, IV1524D-H5, IV2403D-H5, IV2405D-H5, IV2407D-H5, IV2409D-H5, IV2412D-H5, IV2415D-H5, IV2418D-H5, IV2424D-H5, IV4803D-H5, IV4805D-H5, IV4807D-H5, IV4809D-H5, IV4812D-H5, IV4815D-H5, IV4818D-H5, IV4824D-H5, IV0303D-H6, IV0305D-H6, IV0307D-H6, IV0309D-H6, IV0312D-H6, IV0315D-H6, IV0318D-H6, IV0324D-H6, IV0503D-H6, IV0505D-H6, IV0507D-H6, IV0509D-H6, IV0512D-H6, IV0515D-H6, IV0518D-H6, IV0524D-H6, IV1203D-H6, IV1205D-H6, IV1207D-H6, IV1209D-H6, IV1212D-H6, IV1215D-H6, IV1218D-H6, IV1224D-H6, IV1503D-H6, IV1505D-H6, IV1507D-H6, IV1509D-H6, IV1512D-H6, IV1515D-H6, IV1518D-H6, IV1524D-H6, IV2403D-H6, IV2405D-H6, IV2407D-H6, IV2409D-H6, IV2412D-H6, IV2415D-H6, IV2418D-H6, IV2424D-H6, IV4803D-H6, IV4805D-H6, IV4807D-H6, IV4809D-H6, IV4812D-H6, IV4815D-H6, IV4818D-H6, IV4824D-H6, JCE0312S3V3, JCE0312S05, JCE0312S12, JCE0312S15, JCE0312S24, JCE0312D03, JCE0312D05, JCE0312D12, JCE0312D15, JCE0312D24, JCE0324S3V3, JCE0324S05, JCE0324S12, JCE0324S15, JCE0324S24, JTE0624S3V3, JTE0624S05, JTE0624S12

QQGQ2/8, QQJQ2/8:

DTJ1524S3V3, DTJ1524S05, DTJ1524S12, DTJ1524S15, DTJ1524D05, DTJ1524D12, DTJ1524D15, DTJ1548S3V3, DTJ1548S05, DTJ1548S12, DTJ1548S15, DTJ1548D05, DTJ1548D12, DTJ1548D15, DTJ1524S3V3-HK, DTJ1524S05-HK, DTJ1524S12-HK, DTJ1524S15-HK, DTJ1524D05-HK, DTJ1524D12-HK, DTJ1524D15-HK, DTJ1548S3V3-HK, DTJ1548S05-HK, DTJ1548S12-HK, DTJ1548S15-HK, DTJ1548D05-HK, DTJ1548D12-HK, DTJ1548D15-HK, DTJ1524S3V3-D, DTJ1524S05-D, DTJ1524S12-D, DTJ1524S15-D, DTJ1524D05-D, DTJ1524D12-D, DTJ1524D15-D, DTJ1548S3V3-D, DTJ1548S05-D,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number E317867
Report Reference E317867-20140717
Issue Date 2019-DECEMBER-11

DTJ1548S12-D, DTJ1548S15-D, DTJ1548D05-D, DTJ1548D12-D, DTJ1548D15-D,
DTJ1524S3V3-HKD, DTJ1524S05-HKD, DTJ1524S12-HKD, DTJ1524S15-HKD,
DTJ1524D05-HKD, DTJ1524D12-HKD, DTJ1524D15-HKD, DTJ1548S3V3-HKD,
DTJ1548S05-HKD, DTJ1548S12-HKD, DTJ1548S15-HKD, DTJ1548D05-HKD,
DTJ1548D12-HKD, DTJ1548D15-HKD, DTJ2024S3V3, DTJ2024S05, DTJ2024S12,
DTJ2024S15, DTJ2024D05, DTJ2024D12, DTJ2024D15, DTJ2048S3V3, DTJ2048S05,
DTJ2048S12, DTJ2048S15, DTJ2048D05, DTJ2048D12, DTJ2048D15, DTJ2024S3V3-HK,
DTJ2024S05-HK, DTJ2024S12-HK, DTJ2024S15-HK, DTJ2024D05-HK, DTJ2024D12-HK,
DTJ2024D15-HK, DTJ2048S3V3-HK, DTJ2048S05-HK, DTJ2048S12-HK, DTJ2048S15-HK,
DTJ2048D05-HK, DTJ2048D12-HK, DTJ2048D15-HK, DTJ2024S3V3-D, DTJ2024S05-D,
DTJ2024S12-D, DTJ2024S15-D, DTJ2024D05-D, DTJ2024D12-D, DTJ2024D15-D,
DTJ2048S3V3-D, DTJ2048S05-D, DTJ2048S12-D, DTJ2048S15-D, DTJ2048D05-D,
DTJ2048D12-D, DTJ2048D15-D, DTJ2024S3V3-HKD, DTJ2024S05-HKD,
DTJ2024S12-HKD, DTJ2024S15-HKD, DTJ2024D05-HKD, DTJ2024D12-HKD,
DTJ2024D15-HKD, DTJ2048S3V3-HKD, DTJ2048S05-HKD, DTJ2048S12-HKD,
DTJ2048S15-HKD, DTJ2048D05-HKD, DTJ2048D12-HKD, DTJ2048D15-HKD,



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/about/locations/>

