

Division of Occupational Safety and Health (DOSH)
Public Safety Program Solid State Controllers
(Approved Devices by Manufacturer)
As of 12/17/2019

Acceptance Controller and EMI Testing				
Manufacturer Name	Controller Name	Date of Acceptance	Static Control	EMI Susceptibility Compliance
Alimak	ALCII Controller	12/22/2011	Yes	Yes
Alimak	SE 4 FC	5/10/2002	Yes	Yes
Alimak	SExx DOL	5/23/2002	No	No
Amtech Reliable Elevator Co.	Hydro Simplex	11/5/1997	No	No
Amtech Reliable Elevator Co.	Omega 1000 Hydraulic	7/27/1994	Yes	No
Armor Elevator Co.	Dynaglide II	6/25/1986	Yes	No
Armor Elevator Co.	Activator 400	3/3/1986	Yes	No
Armor Elevator Co.	TMS 900 + & TMS 9000	6/25/1993	Yes	No
Armor Elevator Co.	Dynaglide	7/1/1981	No	No
Atel Elevator Corp.	Relay Logic Hydraulic	8/1/2013	No	Yes
Bay Area Rapid Transit (BART)	PLC Controller interacts with Stand-Alone Power Saver Starter	6/13/2016	No	No
Bay Area Rapid Transit (BART)	Power Saver Starter Model 3P0065-04-SS (Stand Alone)	6/13/2016	Yes	Yes
Bay Area Rapid Transit (BART)	15LN-210 PLC Controller 2004 Compliant Amendment #1 (6 ea-BART Only)	6/6/2019	Yes	Yes
Bucher Hydraulics	LRV-1 Solid State Valve Controller	7/14/2012	Yes	Yes
Cemco Lift Inc.	DHYD-PC-207, HYD-PC-1192	5/7/1999	No	No
Cemco Lift Inc.	HD-RV-2316, HYD-EHL-100, HYD-EHL-101 & Imperial 200 Hydraulic Controller	5/30/2001	No	No
Cemco Lift Inc.	HYDPC - 825	10/7/1996	No	No
Cetek, Inc.	Flex H Hydraulic Elevator Controller (2004 Compliant) with BLD	3/16/2009	No	No
Cetek, Inc.	Flex-T Controller with Allen Bradley 20Bxxxxxx AC Drive (2004 Compliant)	4/12/2011	Yes	Yes
Cetek, Inc.	Flex-T Controller with Allen Bradley 20Pxxxxxx DC Drive (2004 Compliant)	4/12/2011	Yes	Yes
Cetek, Inc.	Flex-T Controller with Yaskawa CIMR-LUxxxxxxA AC Drive (2004 Compliant)	4/12/2011	Yes	Yes
Cetek, Inc.	Flex-T Controller with Yaskawa CIMR-ACAxxxxxx-xxx AC Drive (2004 Compliant)	4/12/2011	Yes	Yes
Cetek, Inc.	TLM-AC-1996 Controller with EMI Compliance	5/21/2007	Yes	Yes
Cetek, Inc.	TLM-DC-1996 Controller with EMI Compliance	5/21/2007	Yes	Yes
Cetek, Inc.	Group II Obsolete Drive Replacement Panels-Circular Letter E-92-8	8/10/2017	Yes	Yes
Champion Elevator Co.	Series 2000	4/26/2004	Yes	Yes
Champion Elevator Co. (Emscor)	US - 2500	10/17/1994	Yes	No
Champion Elevator Co. (Emscor)	VFD	6/11/1998	Yes	No
C.J. Anderson & Company	SmoothControl VVVF Control System	8/11/2003	Yes	Yes
Coast Elevator Co.	Relay	1/4/1984	No	No
Computerized Elevator Control Corp.	SWIFT Futura VCD - 703	2/27/1995	Yes	No
Computerized Elevator Control Corp.	SWIFT Futura Hydraulic Control	6/9/1998	No	No
Computerized Elevator Control Corp.	SWIFT - 5000 VCD - 703	12/16/1994	Yes	No
Computerized Elevator Control Corp.	SWIFT - 5000 DSD - 412	10/5/1993	Yes	No
Computerized Elevator Control Corp.	SWIFT - 5000 MG	11/10/1993	Yes	No
Computerized Elevator Control Corp.	SWIFT - 5000 Hydro	2/28/1994	No	No
Computerized Elevator Control Corp.	SWIFT Futura DSD - 412	2/27/1995	Yes	No
Computerized Elevator Control Corp.	SWIFT Futura HPV 900	6/9/1998	Yes	No
Computerized Elevator Control Corp.	SWIFT Futura Motor Generator	2/27/1995	Yes	No

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Computerized Elevator Control Corp.	SWIFT Futura Unico 1100	6/8/1998	Yes	No
Computerized Elevator Control Corp.	SWIFT Meridia DSD 412	11/9/2001	Yes	Yes
Computerized Elevator Control Corp.	SWIFT Meridia HPV 900	11/9/2001	Yes	Yes
Computerized Elevator Control Corp.	SWIFT Meridia MG	11/9/2001	Yes	Yes
Concord Elevator Co.	Controllers	10/19/1995	No	No
Concord Elevator Co.	KWIKLIFT 6000	1/9/1996	No	No
Conquest Accessibility Inc.	Series 5200 Hydraulic Controller	4/4/2006	No	No
Conquest Accessibility Inc.	Series 2300 Hydraulic Controller	4/4/2006	No	No
Conquest Accessibility Inc.	Series 2200 Hydraulic Controller	4/4/2006	Yes	No
Conquest Accessibility Inc.	Series 3300 Hydraulic Controller	4/4/2006	No	No
Conquest Accessibility Inc.	Series 4200 Hydraulic Controller	4/4/2006	No	No
Conquest Accessibility Inc.	Series 3200 Hydraulic Controller	4/4/2006	No	No
Dream Ride Elevator	DREMK3 MRL Controller	8/10,2012	No	No
Egemin Automation-Bell&Howell	EgeminAutomation Inc./Bell&Howell Elevator Supervisor System	6/21/2005	No	No
Electronic Circuit Design, Inc.	100-170, 100-173 and 100-174 Hydraulic Controllers	9/14/2004	No	No
Elevator Concepts Ltd	4PTAL/ECL Rope Hydraulic LULA Controller only	9/8/2014	No	No
Elevator Controls Corp.	Pixel DC SCR Controller (2004)	10/31/2011	Yes	Yes
Elevator Controls Corp.	V900 Vector Controller	8/14/2008	Yes	Yes
Elevator Controls Corp.	H900 Hydraulic Controller	1/17/2007	No	No
Elevator Controls Corp.	H900 Hydraulic Controller (2004 Compliant)	8/18/2008	No	No
Elevator Controls Corp.	Prodigy H900 Hydraulic Elevator Controller (2004 Compliant)	3/3/2010	No	Yes
Elevator Controls Corp.	Prodigy V900 Vector Controller (2004 Compliant)	3/2/2010	Yes	Yes
Elevator Controls Corp.	V900-Vector- Controller (2004 Compliant)	8/14/2008	Yes	Yes
Elevator Controls Corp.	V900-Vector- Controller (2004 Compliant)-Amendment #1-Additional Drives	11/1/2016	Yes	Yes
Elevator Controls Corp.	V900 DC-SCR Controller	10/1/2007	Yes	No
Elevator Controls Corp.	V900 DC-SCR 2004 Controller- (2004 Compliant)	8/14/2008	Yes	Yes
Elevator Controls Corp.	V900 DC-SCR 2004 Controller (2004 Compliant)-Amendment #1-Additional Drives	11/14/2016	Yes	Yes
Elevator Controls Corp.	Pixel AC Vector Controller (2004 Compliant)	8/30/2011	Yes	Yes
Elevator Controls Corp.	V 700 VVVF Controller	1/31/1997	Yes	No
Elevator Controls Corp.	H-800 Hydraulic Controller Amendment #1- Supply Voltage Change	5/30/2001	No	Yes
Elevator Controls Corp.	H-800 Hydraulic Controller	2/1/1995	No	Yes
Elevator Controls Corp.	Pixel Hydro Controller (2004 Compliant)	11/14/2011	No	Yes
Elevator Controls Corp.	Pixel Hydro Controller (2004 Compliant) with R&R Model RB-2-240GL BLD	11/14/2011	No	Yes
Elevator Controls Corp.	Prodigy V900-SCR Controller (2004 Compliant)	3/17/2010	Yes	Yes
Elevator Controls Corp.	Prodigy V900-SCR-Controller-Drive Matrix	3/17/2010	Yes	Yes
Elevator Controls Corp.	V-800 Rheostatic Controller	11/1/2000	No	No
Elevator Controls Corp.	V-800/ GMB/ GDI/ EDGE/ VVVF-Controller	4/12/1994	Yes	No
Elevator Controls Corp.	V 700/GMB/ GDI/ EDGE/ SWEODRIVE-Controller	10/12/1988	Yes	No
Elevator Dynamics	Eledyne 1	4/10/2000	Yes	No
Elevator Industries	E. D. G. E. 2000 A & B, G.D.I., G.M.B.	12/13/1982	Yes	No

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Elevator Industries	E. D. G. E. 2000 A & B, G.D.I., G.M.B.	10/19/1982	Yes	No
Elevator Research & Manufacturing Corp.	ERM 2002H Hydraulic Controller	11/3/2003	No	No
Elevator Research & Manufacturing Corp.	ERM-Number L2A-2BC-11-Single Speed AC Traction Controller	12/6/1995		
Elevator Research & Manufacturing Corp.	ERM - Single Speed AC Traction Controller	1/23/1986	No	No
Elevator Research & Manufacturing Corp.	ERM - 6006S Hydraulic Controller	7/16/2002	No	No
Elevator Research & Manufacturing Corp.	ERM - 6006 Hydraulic Controller	1/10/1994	No	No
Elevator Research & Manufacturing Corp.	ERM - L1A Series-Two Speed AC Traction Controller	10/5/1998	No	No
Elevator System, Inc.	VV - 182- Static Controls SCR DC Traction Controller	6/10/1982	Yes	No
Elevator System, Inc.	HYD-RV-5847 LULA Controller with APLO (2004 Compliant)	5/19/2009	No	No
ERM Corporation	Baldor Series18H AC Flux Vector	12/6/1995	No	No
Fairford Vertical Transport	Synergy VT- Stand-Alone Solid State Reduced Voltage Motor Starter	11/13/2014	Yes	Yes
Fujitec America Inc.	MCOP-A1 to -A11 Controllers (2004 Compliant)	4/15/2009	Yes	Yes
Fujitec America Inc.	MACGL-18.5,-22,-30,-37,-45,-55,-90,-110,-132,-160,-200,-220 (2004 Compliant)	4/15/2009	Yes	Yes
Fujitec America Inc.	Millenium Control System	6/12/1998	Yes	Yes
Fujitec America Inc.	MDCGL-A1 to A-20 Controllers (2004 Compliant)	4/15/2009	Yes	Yes
Fujitec America Inc.	Futura Unico 1100	6/8/1998	Yes	No
Fujitec America Inc.	EXDN-Control System	11/1/1990	Yes	No
Fujitec America Inc.	MHYDS/MHYD Hydraulic Controllers with R&R or GAL APLO (2004 Compliant)	5/19/2009	No	No
Fujitec America Inc.	VRDN-(MRL-ACGL-VINV, VCOP) VVVF	4/1/2014	Yes	Yes
Fujitec America Inc.	VRDN-(MACGL) VVVF	2/24/2014	Yes	Yes
Fujitec America Inc.	VRDN-(ACGD-VINV, VCOP) VVVF	12/16/2013	Yes	Yes
Fujitec America Inc.	VRDN-(ACGD-VINV, VCOP) VVVF with H.W. Rope Gripper	12/17/2013	Yes	Yes
Fujitec America Inc.	VRDN-(DCGL-VSCR)	4/28/2014	Yes	Yes
Fujitec America Inc.	VRDN-(DCGL-IGBT)	12/8/2014	Yes	Yes
Fujitec America Inc.	VRDN-(DCGL-IGBT) VVVF with H.W. Rope Gripper	12/8/2014	Yes	Yes
Fujitec America Inc.	VRDN-(DCGL-VSCR) VVVF with H.W. Rope Gripper	4/28/2014	Yes	Yes
GAL	Galaxy Model 12GX Controller	5/4/2006	Yes	Yes
GAL	Galaxy Model III Traction SCR DC Controller	5/4/2017	Yes	Yes
GAL	Galaxy Model III Traction SCR DC with H W Rope Gripper	5/4/2017	Yes	Yes
GAL	Galaxy Model III Traction VVVF Controller	3/13/2017	Yes	Yes
GAL	Galaxy Model III Traction VVVF AC with H W Rope Gripper	3/13/2017	Yes	Yes
GAL	Galaxy Model eHydro Hydraulic Controller	8/20/2018	No	No
GAL	Galaxy Model eHydro Hydraulic Elevator Controller with APC UPS	8/20/2018	No	No
GAL	Galaxy Model 9GX Hydraulic Controller	4/10/2006	No	No
GAL	Galaxy Model HYD-XIV Hydraulic Controller W/CEDES APS [SIL3 Rated]	3/22/2018	Yes	Yes
GAL	Galaxy Model IV Traction VVVF Controller	9/9/2016	Yes	Yes
GAL	Galaxy Model IV Traction VVVF AC with H W Rope Gripper	9/9/2016	Yes	Yes
GAL	Galaxy Model IV Traction VVVF AC with Stand-Alone Eaton UPS Backup Power Supply	7/27/2018	Yes	Yes
GAL	Galaxy Model 15GX Controller	5/5/2006	Yes	Yes
GAL	Galaxy Model 8GX Hydraulic Elevator Controller	4/10/2006	No	No

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GAL	Galaxy Model 9GX Hydraulic Elevator Controller	4/10/2006	No	No
GAL	Dynalift E Controller	2/9/1988	Yes	No
GAL	Dynalift AC Controller	2/18/1988	Yes	No
GAL	Galaxy Model 11GX Controller	5/4/2006	Yes	Yes
GAL	Galaxy Model 13GX Controller	5/5/2006	Yes	Yes
GAL	8SX Hydraulic Controller	11/3/2003	No	No
GAL	Galaxy Model 10GX Hydraulic Elevator Controller	4/10/2006	No	No
GAL	13GX-A Controller	7/10/2006	Yes	Yes
GAL	12GX-A Controller	7/10/2006	Yes	Yes
Garaventa Lift	Garaventa Series 2200 Hydraulic Controller	3/28/2013	No	No
Garaventa Lift	Garaventa Series 2300 Hydraulic Controller	3/28/2013	No	No
Garaventa Lift	Garaventa Series 3200 Hydraulic Controller	3/28/2013	No	No
Garaventa Lift	Garaventa Series 3300 Hydraulic Controller	3/28/2013	No	No
Garaventa Lift	Garaventa Series 4200 Hydraulic Controller	3/28/2013	No	No
Garaventa Lift	Garaventa Series 5200 Hydraulic Controller	3/28/2013	No	No
Geda Original	SH2750 US Controller for Special Purpose Personnel and Rack & Pinion	6/21/2013	Yes	Yes
Geda Dechentreiter GMBH & Co. KG	SH1000 US Controller for Special Purpose Personnel and Rack & Pinion (2004 Compliant)	12/4/2019	Yes	Yes
Great West Controls L.L.C.	CLCP-30	3/24/2009	Yes	No
Genesis Vertical Lift	Genesis Vertical Lift Structural Components	6/25/2004	No	No
HARMAR SUMMIT LLC	CPL Series Vertical Platform Lift CPL400AC, 400DC, 600AC, 600DC, 800AC, 800DC, 1000AC, 1000DC	8/18/2011	No	No
Humphrey Manlift Co.	SAH - 15A	6/1/1995	Yes	No
Hyundai Elevator Co. LTD.	Hyundai LX501 Controller with HYD500 Drive (2004 compliant)	12/6/2012	Yes	Yes
Imperial Elevator	Imperial Elevator - Thames Valley SE 1200 Controller Model LR-58016-1	12/24/1999	No	Yes
Industrial Design Co.	IDC 5000-ACS 150	12/28/1993	Yes	No
International Elevator Co.	International Elevator Co., Inc. - EC2605599W Controller	4/17/2002	Yes	No
Intelligent Vertical Transportation	Hydraulic Controller Model 200	5/8/1995	No	No
Kinematics Research Ltd.	Series A	4/17/1986	No	No
Kone Inc --	Miprom 21 SWEO (Montgomery KONE)	5/8/1995	Yes	No
Kone Inc --	Miprom 21 ABAC Controller (Montgomery KONE)	6/17/1998	Yes	Yes
Kone Inc --	ReSolve20 SC Traction With Yaskawa K1000H Drive	12/11/2012	Yes	Yes
Kone Inc. --	MIPROM-HS Hydraulic Controller (Montgomery KONE)	3/18/1999	No	No
Kone Inc. --	501 Escalator/Moving Walk	7/30/2012	No	No
Kone Inc. --	Transit Master™ 140 Escalator (2004 Compliant)	3/20/2014	Yes	Yes
Kone Inc. --	Travel Master™ 110 Escalator/Moving Walk	6/27/2012	No	No
Kone Inc. --	ECO 3000 Escalator/Moving Walk	7/6/2012	No	No
Kone Inc. --	KCM 831-LCE/LCEGM Hydraulic Controller with soft Starter	10/7/2002	No	No
Kone Inc. --	KCM 831-LCE Hydraulic Controller with Allen Bradley or Saturn Starter	4/15/2010	No	Yes
Kone Inc. --	TMS 50av with V3F20 Drive (Montgomery KONE)	5/7/1999	Yes	No
Kone Inc. --	Resolve with Unity Series B with Magnetek Quattro DC Drive (2004 Compliant)	7/25/2011	Yes	Yes
Kone Inc. --	Escalator PLC Controller (AB Micrologix 1500) (A17.1-2004)	9/24/2012	Yes	Yes

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Kone Inc. --	KCM831 LCE Traction Elevator Logic with KDM90 Drive Module (2004 Compliant)	7/18/2014	Yes	Yes
Kone Inc. --	KCM831 LCE2 Traction Elevator Logic with Stand-Alone KDM150 Drive	1/11/2016	Yes	Yes
Kone Inc.--	KCM831 LCE2 Traction Elevator Logic with Stand-Alone KDM150 Drive Amendment #1, 214E	5/10/2018	Yes	Yes
Kone Inc. --	Resolve400 Traction Elevator Logic with KDM90 Drive Module	7/18/2014	Yes	Yes
Kone Inc. --	KCM831 LCE Traction Elevator Logic with KDL 16L Drive Module	9/26/2011	Yes	Yes
Kone Inc. --	KCM 831 LCE (KDL, KDM, V3F drive) with R&R TPVs	1/11/2013	Yes	Yes
Kone Inc. --	Resolve 100 with Allen-Bradley Drive (2004 Compliant)	6/8/2009	Yes	Yes
Kone Inc. --	Miprom & HS Hydraulic with Powervator UV-1 & UV-2	5/3/2001	No	No
Kone Inc.	KCM 831-LCE with Allen Bradley or Saturn Starter (2004 Compliant)	4/15/2010	Yes	Yes
Kone Inc. --	KCM 931-LCE with KDH Series Drive (2004 Compliant)	4/20/2010	Yes	Yes
Kone Inc. --	Resolve with Unity with Quattro DC Drive (2004 Compliant)	4/27/2010	Yes	Yes
Kone Inc. --	KCM 831-LCE with V3F16L Drive Controller (2004 Compliant)	2/23/2009	Yes	Yes
Kone Inc. --	KCM 831-LCE with V3F25 Drive Controller (2004 Compliant)	9/1/2009	Yes	Yes
Kone Inc. --	KCM 831-LCE Logic Controller with KDM-40 or KDM-90 Drive	12/7/2011	Yes	Yes
Kone Inc. --	Resolve 100 with Yaskawa (V3F10 or CIMR-K7 Drives) (2004 Compliant)	4/20/2009	Yes	Yes
Kone Inc. --	KCM831 LCE Traction Elevator Logic with KDL 16S Drive Module	11/28/2012	Yes	Yes
Kone Inc. --	KCM 831 with V3F25 MLB Drive Controller	9/1/2009	Yes	Yes
Kone Inc.	KCM 831 - LCE with V3F25 Traction Controller	12/2/2002	Yes	Yes
Kone Inc.	LCE-LCE2-RESOLVE 400	1/9/2019	Yes	Yes
Kone Inc. --	Resolve 20 with V3F10 Drive	3/3/2003	Yes	Yes
Kone Inc.	Miprom-HS (OLD) (Montgomery KONE)	12/22/1999	No	No
Kone Inc.	Drive Replacement Panel for Obsolete AC and DC Drives	3/2/2015	Yes	N/A
Kone Inc. --	Resolve 20 with Yaskawa K7H Drive (2004 Compliant)	8/12/2009	Yes	Yes
Kone Inc. --	KCP 931-LCE with ABB KDH Series Drive Controller	11/22/2004	Yes	Yes
Kone Inc.	Ultron DDC (Montgomery KONE)	4/29/1992	Yes	Yes
Kone Inc.	Resolve 100 with Allen Bradley 1395 Series A and B	6/16/2004	Yes	No
Kone Inc.	SSC - 6010 (Montgomery)	12/29/1980	Yes	No
Kone Inc.	KST Belt Monitoring	10/22/2014	No	No
Kone Inc.	Resolve 100 with Yaskawa V3F10 Drive	6/16/2004	Yes	Yes
Kone Inc.	Spectron (Montgomery KONE)	5/6/1992	Yes	No
Kone Inc.	Ultron (Montgomery KONE)	4/27/1992	Yes	No
Kone Inc.	SWEO 90V	5/8/1995	Yes	No
Kone Inc. (LAWA only) --	Escalator PLC Control System with Yaskawa Varispeed AC Drive (2004 Compliant)	3/22/2011	Yes	Yes
Magnetek Inc.	Quattro AC QPM Stand-Alone Drive	11/9/2015	Yes	Yes
McDONOUGH Elevators	Champion US 2000 with yaskawa G7 Drive for Special Purpose Personnel and Rack & Pinion	9/13/2013	Yes	Yes
Mid-American Elevator, Inc.	Escalator Control System (MAESG)	1/26/2000	No	No
Mid-American Elevator, Inc.	VFD Escalator Control System (G-5-1143 Aric)	12/2/2014	Yes	Yes
Mid-American Elevator, Inc.	Escalator Contol System (MAESG) for Montgomery	2/3/2000	No	No
Mid-American Elevator, Inc.	VVVF Control System (2004 Compliant)	10/16/2008	Yes	Yes
Millar Elevator Service Co.	Encoder for 16 J Governor	5/8/1998	No	No

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Millar Elevator Service Co.	CVT/Select MR DC	6/22/2000	Yes	Yes
Millar Elevator Service Co.	CVT - A/ I M. G. & CVT - A/ I S. C. R.	5/26/1994	Yes	No
Mitsubishi Elevator Co.	AC - VFMW/ VFCL	3/3/1986	Yes	No
Mitsubishi Elevator Co.	CCP-GUL31,-GUL-32, and CCP-GUL33 (2004 Compliant)	7/20/2010	Yes	Yes
Mitsubishi Elevator Co.	CCP-GUL34	7/20/2010	Yes	Yes
Mitsubishi Elevator Co.	AC Type CCP-GUL31, CCP-GUL32, CCP-GUL33, CCP-GUL34	7/20/1999	Yes	Yes
Mitsubishi Elevator Co.	AC - VF DL	2/9/1993	Yes	No
Mitsubishi Elevator Co.	VFGHA Type CCP-GUH51 & CCP-GUH52 (2004 Compliant)	12/5/2019	Yes	Yes
Mitsubishi Elevator Co.	VFGL Type CCP-GUL54,-GUL55,GUL-56,GUL-57,GUL-58 & GUL-59	3/10/2010	Yes	Yes
Mitsubishi Elevator Co.	VFGLC Type CCP-GUL60 and CCP-GUL61	10/28/2015	Yes	Yes
Mitsubishi Elevator Co.	VFGLC System with MELD	10/4/2015	Yes	Yes
Mitsubishi Elevator Co.	VFGL Model GPQ-3LU Type CCP-GUL54,-GUL55,-GUL56 (2004 Compliant)	5/22/2009	Yes	Yes
Mitsubishi Elevator Co.	DPEH-M Type CC-GUH91,-GUH92,-GUH93, & -GUH94	2/22/2007	Yes	Yes
Mitsubishi Elevator Co.	AC Type CCD-GUH2/GUH1	3/6/1996	Yes	No
Mitsubishi Elevator Co.	VFCL	3/3/1986	Yes	Yes
Mitsubishi Elevator Co.	AC - VF MWA/ VFHWA	12/12/1990	Yes	No
Mitsubishi Elevator Co.	AC - VFHW	11/9/1992	Yes	No
Mitsubishi Elevator Co.	AC Type CCP-GUL1, CCP-GUL3, CCP-GUL4	7/7/1997	Yes	No
Mitsubishi Elevator Co.	CCP-GUL 34 (2004 Compliant)	7/20/2010	Yes	Yes
Mitsubishi Elevator Co.	CCP-GUH35, -GUH36, -GUH37 (2004 compliant-Group IV)	6/25/2015	Yes	Yes
Mitsubishi Elevator Co.	CCP-GUH35, -GUH36, -GUH37	4/1/2002	Yes	Yes
Mitsubishi Elevator Co.	VFGL Model GPQ-3LU Type CCP-GUL54,-GUL55,-GUL56	1/22/2008	Yes	No
Motion Control Engineerin	HMC-2000 with HAPS (Aux. Power Supply)	9/18/2012	No	Yes
Motion Control Engineering	i-DC-01	10/20/2003	Yes	Yes
Motion Control Engineering	ICE - AC-MAG (Mod. Only)	7/15/2002	Yes	No
Motion Control Engineering	i-DC-01 Controller (2004 Compliant)	2/17/2009	Yes	Yes
Motion Control Engineering	VFMC - 1000 PTC/TDF	11/15/1994	Yes	No
Motion Control Engineering	i-AC-01	8/6/2003	Yes	Yes
Motion Control Engineering	HMC - 1000 with R & R Electronics' Powervator RB-2	6/018/01	No	No
Motion Control Engineering	Nordic Starters	7/21/1995	Yes	No
Motion Control Engineering	IMC - MG	4/4/1994	Yes	No
Motion Control Engineering	HMC - 1000	11/15/1984	No	No
Motion Control Engineering	VFMC - 1000	12/3/1992	Yes	No
Motion Control Engineering	VFMC - 1000 (2003 Compliant)	6/23/2016	Yes	Yes
Motion Control Engineering	The Element Hydraulic Controller Model SCE-HY-01 and SCE-HY-02	10/8/2013	No	Yes
Motion Control Engineering	Amendment #1 Element Hydraulic Controller Model SCE-HY-01 and SCE-HY-02	6/10/2016	No	Yes
Motion Control Engineering	The Element Hydraulic Controller Model SCE-HY-01 and SCE-HY-02 with HAPS-2B	10/8/2013	No	Yes
Motion Control Engineering	The Element Hydraulic Controller Model SCE-HY-01 And SCE-HY-02 w/HAPS-2B Amendment #1	10/15/2018	Yes	Yes
Motion Control Engineering	The Element Traction Controller Model SCE-AC-01 and SCE-AC-02 and SCE-AC-03	1/5/2015	Yes	Yes
Motion Control Engineering	HMC-2000 Hydraulic Controller with Aux. Power System HAPS (A17.1-2004)	9/18/2012	No	Yes

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Motion Control Engineering	HMC - 1000 -1SPD, SPD, GAR & AL	4/26/1994	No	No
Motion Control Engineering	i-DC-02 Controller with Quattro Drive (2004 Compliant)	8/19/2011	Yes	Yes
Motion Control Engineering	HMC - 1000 - HS, HD, PHC, PHC - D	8/18/1994	No	No
Motion Control Engineering	VVMC - 1000-SCR	4/16/1993	Yes	No
Motion Control Engineering	HMC-1000 Hydraulic Controller with R&R UV2-480/GL-DR+SW BLD	12/6/2010	No	No
Motion Control Engineering	HMC-2000-Group IV Hydraulic Controller Amendment #5 Memorandum	12/21/2017	No	No
Motion Control Engineering	HMC-2000	12/28/2006	No	No
Motion Control Engineering	EC-DLC Escalator Controller	4/1/2008	No	No
Motion Control Engineering	i-AC-01 Controller for Rack and Pinion Elevators (2004 Compliant)	7/12/2011	Yes	Yes
Motion Control Engineering	i-AC-01 Controller with NEMA enclosure mounted with ACU (2004 Compliant)	6/24/2011	Yes	Yes
Motion Control Engineering	I-AC&DC with Rope Grippers	3/27/2015	Yes	Yes
Motion Control Engineering	i-DC-01 Controller with NEMA enclosure mounted with ACU (2004 Compliant)	6/24/2011	Yes	Yes
Motion Control Engineering	M4000-AC-01	6/11/2008	Yes	Yes
Motion Control Engineering	Amendment #1 M4000-AC/MRL-XX- Additional Alternate Drives	7/25/2016	Yes	Yes
Motion Control Engineering	Amendment #2 M4000-AC/MRL-XX-Additionnal Alternate Drives	6/14/2017	Yes	Yes
Motion Control Engineering	Amendment #3 M4000-AC/MRL-XX-Interface with Rope Brake	9/12/2017	Yes	Yes
Motion Control Engineering	Amendment #4 M4000-AC/MRL-XX-Stand-Alone TAPS (traction auxiliary power system)	3/27/2018	Yes	Yes
Motion Control Engineering	HMC-2000 Hydraulic Elevator Controller with R&R UV2-480/GL-D-R+SW BLD	2/10/2011	No	No
Motion Control Engineering	VVMC - 1000	11/15/1984	Yes	Yes
Motion Control Engineering	i-AC-01 Controller (2004 Compliant)	2/17/2009	Yes	Yes
Motion Control Engineering	i-AC-02 Controller with QPM Drive (2004 Compliant)	10/15/2015	Yes	Yes
Motion Control Engineering	i-AC-02 Controller with QPM Drive (2004 Compliant) Amendment #2 Addinf Various Magnetek I	11/7/2018	Yes	Yes
Motion Control Engineering	IMC - SCR	4/4/1994	Yes	Yes
Motion Control Engineering	i-AC-01 Controller with TAPS BORD	11/18/2011	Yes	Yes
Motion Control Engineering	M4000-AC-01 Controller with TAPS BORD	11/18/2011	Yes	Yes
Motion Control Engineering	TAPS-3KVA, -6KVA-240AC and TAPS-6KVA-480AC BORD	11/18/2011	Yes	Yes
Motion Control Engineering	HMC-1000 Hydraulic with R&R UV2-480GL-D+R+SW BLD	12/6/2010	No	No
Motion Control Engineering	M4000-MRL-01	6/17/2010	Yes	Yes
Motion Control Engineering	IMC - AC	4/4/1994	Yes	No
Motion Control Engineering	M4000-AC-MRL-01 with AC Unit (2004 Compliant)	6/17/2010	Yes	Yes
Motion Control Engineering	M4000-AC-01 (2004 Compliant)	6/17/2010	Yes	Yes
Motion Control Engineering	MCE- Rope Gripper Interface - (RBK-XX)	12/16/2014	Yes	N/A
Motion Control Engineering	MCE- Rope Gripper Interface - (RBK-XX)-Amendment #1-Add IMC-AC, IMC-SCR, VFMC-1000, VV	12/22/2016	Yes	Yes
Motion Control Engineering	VVMC - 1000 PTC/TDF	4/4/1994	Yes	No
Motion Control Engineering	Amended IMC-AC-VFMC-1000-VFMC-1000 PTC	1/6/2016	Yes	Yes
Motion Control Engineering	Amended-VVMC - 1000-SCR	9/21/2015	Yes	NO
Northern Elevator Ltd.	Normic 100 VVVF	3/25/1997	Yes	No
Northern Elevator Ltd.	Normic 1600 VV/SCR/VVVF	6/3/1994	Yes	No
Northern Elevator Ltd.	Northstar 9000	1/25/1999	Yes	No
Northern Elevator Ltd.	Normic 3216	1/25/1999	Yes	No

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Northern Elevator Ltd.	Normic 3200	1/25/1999	Yes	No
Northern Elevator Ltd.	M 3200 SCR	9/17/1997	Yes	No
Northern Elevator Ltd.	TC 181 Hydraulic	8/10/1999	No	Yes
Northern Elevator Ltd.	Normic 3216 VV/SCR/VVVF	5/21/1998	Yes	No
Northern Elevator Ltd.	TC-3200VV Close Loop/TC Northstar 9000 Close Loop	1/31/2000	Yes	Yes
Northern Elevator Ltd.	TCI 181 (ELD)	10/5/2000	No	No
Northern Elevator Ltd.	TC-3200 SCR Drive/TC Northstar 9000 SCR Drive	1/31/2000	Yes	Yes
Northern Elevator Ltd.	TC-3200VVVF Drive/TC Northstar 9000 VVVF Drive	1/31/2000	Yes	Yes
Northern Elevator Ltd.	TC 181 Hydraulic with UPS Model SP 420 & SPW 420	10/5/2000	No	No
Northern Elevator Ltd.	Northstar 9000 VV/SCR/VVVF	5/26/1998	Yes	No
Northern Elevator Ltd.	Normic 3200 VV/SCR/VVVF	5/22/1998	Yes	No
Nova Elevator Co.	Relay	3/8/1995	No	No
O & K Escalators, Inc.	Model RTV-HD Escalator Controller (Montgomery KONE)	2/8/2000	Yes	No
O Thompson Co.	CVT/NET/MG	9/4/1997	Yes	No
O Thompson Co.	CVT/NET/SCR	9/4/1997	Yes	No
O Thompson Co.	CVT/NET/VFD	9/4/1997	Yes	No
O Thompson Co.	MF - Ultra - 2000 SCR	7/25/1996	Yes	No
O Thompson Co.	MF - Ultra -2000 MagneTek DSD-412 SCR	10/29/1997	Yes	No
O Thompson Co.	MF - SCR	9/14/1992	Yes	No
O Thompson Co.	CVT NET SCR	9/4/1997	Yes	No
O Thompson Co.	CVT NET MG	9/4/1997	Yes	No
O Thompson Co.	G - 1	10/15/1981	Yes	No
O Thompson Co.	MF - MG	9/14/1993	Yes	No
O Thompson Co.	MF - Ultra-2000 (VFD-SWEO) Version 2.3	8/18/1999	Yes	No
O Thompson Co.	MF - Ultra - 2000 MG	7/24/1996	Yes	No
Otis Elevator co	GCS Hydraulic Control System (A17.1-2004)	9/24/2012	No	Yes
Otis Elevator Co.	LRVF Controller	9/25/2002	Yes	Yes
Otis Elevator Co.	Elevonic 311	11/1/1991	Yes	No
Otis Elevator Co.	Elevonic 411	7/8/1991	Yes	Yes
Otis Elevator Co.	211 with ERU/Au-O-Safe	6/18/2001	No	No
Otis Elevator Co.	65 UMV	4/2/1984	Yes	No
Otis Elevator Co.	MRVF	7/20/1983	Yes	No
Otis Elevator Co.	Elevonic 101 & 401	3/23/1982	Yes	No
Otis Elevator Co.	311VF (Gen2) Controller	11/3/2003	Yes	Yes
Otis Elevator Co.	E335M	1/14/1993	Yes	No
Otis Elevator Co.	GAMMA 160 S	7/1/1982	Yes	No
Otis Elevator Co.	MRQ (Spec 60)	9/2/1993	Yes	No
Otis Elevator Co.	211M Hydraulic Controller with R&R UV-2/SW BLD	9/8/2011	No	No
Otis Elevator Co.	Elevonic RMH Controller (AC-VF) (2004 Compliant)	7/12/2011	Yes	Yes
Otis Elevator Co.	Elevonic RMH Controller with DC SCR Drives (2004 Compliant)	7/12/2011	Yes	Yes

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Otis Elevator Co.	LRV III	8/26/1983	No	No
Otis Elevator Co.	211	5/20/1997	Yes	Yes
Otis Elevator Co.	GCSS Traction Elevator Controller	10/22/2014	Yes	Yes
Otis Elevator Co.	GECS-ANSI Escalator Controller VVVF	3/24/2014	Yes	Yes
Otis Elevator Co.	GCS Traction Elevator	5/29/2007	Yes	Yes
Otis Elevator Co.	Elevonic 411M-C	3/27/2007	Yes	Yes
Otis Elevator Co.	E411M-C Group IV	3/28/2016	Yes	Yes
Otis Elevator Co.	E411M-C Group IV-Amendment #1-Additional CSA Field Test Report	8/24/2016	Yes	Yes
Otis Elevator Co.	E411M-C Group IV-Amendment #2-Additional CSA Field Test Report	12/14/2016	Yes	Yes
Otis Elevator Co.	E411M-C Group IV-Amendment #3-Additional CSA Field Test Report	6/26/2017	Yes	Yes
Otis Elevator Co.	E411 MHS-Q (Mod)	5/1/2008	Yes	Yes
Otis Elevator Co.	LRV4/4L/5L & LRS3	3/17/1993	No	No
Otis Elevator Co.	E411-MHS (Mod)	5/1/2008	Yes	Yes
Otis Elevator Co.	Amended E2 (HRES) with SIL Circuitry (SIL3 Software)	5/27/2015	Yes	Yes
Otis Elevator Co.	E2 (HRES) with SIL Circuitry	10/6/2014	Yes	Yes
Otis Elevator Co.	E2 (HRS) QUATTRO DC Stand-Alone Drive	12/13/2017	Yes	Yes
Otis Elevator Co.	E2 (MOD BOX) with SIL Circuitry-Interface Auxiliary Controller	2/1/2017	Yes	Yes
Otis Elevator Co.	Compass Pre-Mod Machine Room Interface Box [Stand-Alone]	6/4/2018	Yes	Yes
Otis Elevator Co.	GCS Control System (A17.1-2004)	5/5/2008	Yes	Yes
Otis Elevator Co.	E311VF (HVS) or HVS	7/24/1995	Yes	Yes
Otis Elevator Co.	211M	5/15/1995	Yes	Yes
Otis Elevator Co.	E311VF (GEM) or Elevonic 311 VF/ GEM	2/16/1994	Yes	Yes
Otis Elevator Co.	HOCL/ HCL	1/14/1994	No	No
Otis Elevator Co.	E311VF (MVS) or MVS Control System	4/8/1998	Yes	No
Otis Elevator Co.	506 NCE Escalator	2/25/1998	No	No
Otis Elevator Co.	Elevonic 411 MHS & 411 MMS	2/25/1998	Yes	No
Otis Elevator Co.	GAMMA - D	11/22/1993	Yes	No
Otis Elevator Co.	311M/ 411M & 311MV/ 411MV	11/12/1993	Yes	No
Otis Elevator Co.	Elevonic R Series Controller (2004 Compliant)	2/25/2010	Yes	Yes
Otis Elevator Co.	ABA21305BX and AAA21305DB BORD	6/24/2011	Yes	No
Otis Elevator Co.	ECS-ANSI Escalator/Travelator Control System (2004 Compliant)	3/23/2011	Yes	Yes
Otis-LG Elevator Company	Di-2	7/27/2005	Yes	Yes
Pacific Elevator & Equipment Co.	VF - 1	3/10/1986	Yes	No
Pacific Elevator & Equipment Co.	Microprocessor XI	7/16/1981	Yes	No
Peelle Company	2745 Door Operator with RF Controller	11/29/2011	Yes	Yes
Pega-hoist	vacon NXP00615	8/10/2012	Yes	Yes
Power Efficiency Corporation	MEC-AC034 Energy	7/23/2008	Yes	Yes
Power Efficiency Corporation	Energy-Saving Motor Controllers (See Model No.)	5/30/2001	No	Yes
Power Efficiency Corporation	MEC-AC052,-AC080 Energy Saving Device	7/18/2008	Yes	Yes
Pre - Cise Elevator Co.	PRE001 - AC - VAR	4/8/1994	Yes	No

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Reliable Elevator Co.	G. F. C. 1 & 2	3/18/1982	Yes	No
Salish Elevator Controls Co.	MCC/SCR/SW & MCC/SCR/GE	12/7/1990	Yes	No
San Diego Elevator Co.	AT Processor	8/26/1994	No	No
Savaria Concord Lifts, Inc.	Orion CHL-MAN/AUTO/PRO Hydraulic Controller	12/5/2008	No	No
SAVIOKE Inc.	SAVIOKE Inc. Robot Relay Interface Box With Elevator Controller	6/4/2018	No	No
SCADA	SCADA [Supervisory Control and Data Acquisition] Interface Box With Elevator Controller	10/4/2016	No	No
Schindler Elevator Corp.	Miconic HX Hydraulic	6/18/1998	No	No
Schindler Elevator Corp.	Miconic A - SSSDC	10/7/1998	Yes	No
Schindler Elevator Corp.	Type I & Type II	12/9/1982	Yes	No
Schindler Elevator Corp.	Miconic A - ACVF	10/7/1998	Yes	Yes
Schindler Elevator Corp.	Miconic GX-MOD Control/Drive System	6/25/2004	Yes	Yes
Schindler Elevator Corp.	Miconic GX and Miconic GX Phase III with Hollister- Whitney Rope Gripper Model 622	9/30/2013	Yes	Yes
Schindler Elevator Corp.	Miconic GX Controller	3/7/2003	Yes	Yes
Schindler Elevator Corp.	Miconic TXR5 Rel 3.00 Control System (2004 Compliant)	10/19/2011	Yes	Yes
Schindler Elevator Corp.	Miconic V Type IV, V	11/19/1984	Yes	No
Schindler Elevator Corp.	CO-NX 100-NA 2.XX (RCC) (2004 Compliant)	1/31/2017	Yes	Yes
Schindler Elevator Corp.	CO-NX 100-NA 2.XX (RCC) (2004 Compliant) Battery Operated Retrieval Device-Circular Letter E-1	2/3/2017	Yes	Yes
Schindler Elevator Corp.	CO-NX 100-NA Controller (2004 Compliant)	12/7/2010	Yes	Yes
Schindler Elevator Corp.	RCC, ID# 59715010, CO NX100NA Control System (VVVF) (2004 Compliant)	8/7/2019	Yes	Yes
Schindler Elevator Corp.	RCC, ID# 59715010, CO NX100NA Control System (VVVF) w/BORD [Battery Auto Evacuation]	8/7/2019	Yes	Yes
Schindler Elevator Corp.	RCC, ID# 59715010, CO NX100NA Control System (VVVF) w/SIL Rated Stand-Alone Drive (2004 C	12/4/2019	Yes	Yes
Schindler Elevator Corp.	CO-NX 300-NA ID# 59712001(2004 Compliant)	5/31/2018	Yes	Yes
Schindler Elevator Corp.	CO TX2 R7 Control System (2004 Compliant)	8/1/2018	Yes	Yes
Schindler Elevator Corp.	Miconic VX/TX AC Drive	9/18/1997	Yes	No
Schindler Elevator Corp.	Miconic TXR5 Control-Variodyn VF PF1 CSA Drive System	12/8/2003	Yes	Yes
Schindler Elevator Corp.	330-DA Hydraulic Control System	10/1/2002	Yes	Yes
Schindler Elevator Corp.	Miconic VX/TX R5 ACVF	10/7/1999	Yes	Yes
Schindler Elevator Corp.	NX-100-NA C	12/7/2010	Yes	Yes
Schindler Elevator Corp.	Miconic P2 Moving Walk Controller with ABB ACS800-U1 AC Drive (2004 Compliant)	7/18/2013	Yes	Yes
Schindler Elevator Corp.	Miconic P2 Escalator Controller with ABB ACS800-U1 AC Drive (2004 Compliant)	9/15/2011	Yes	Yes
Schindler Elevator Corp.	Miconic F4 Escalator Controller with Wye-Delta Starting	5/9/2012	No	Yes
Schindler Elevator Corp.	330A	3/15/2001	No	No
Schindler Elevator Corp.	Miconic VX/TX R5 SSSDC	10/7/1999	Yes	Yes
Schindler Elevator Corp.	Miconic F4 Moving Walk Controller with Wye-Delta Starting	6/8/2012	No	Yes
Schindler Elevator Corp.	300A	3/17/1999	No	No
Schindler Elevator Corp.	Miconic VX/TX DC Drive	9/18/1997	Yes	No
Schindler Elevator Corp.	321A	11/17/1998	No	No
Schindler Elevator Corp.	MPH II	3/17/1999	No	No
Schindler Elevator Corp.	Miconic GX Phase III (2004 Compliant)	1/21/2010	Yes	Yes
Schindler Elevator Corp.	Miconic GX and GX Phase III Controller with H.W. Rope Gripper	9/30/2013	Yes	Yes

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Schindler Elevator Corp.	Miconic TXR5-ACVF	8/26/2008	Yes	Yes
Schindler Elevator Corp.	Miconic V Type III	3/3/1986	Yes	No
Schindler Elevator Corp.	Miconic TXR5-SSDC	8/26/2008	Yes	Yes
Schindler Elevator Corp.	Miconic TXR5 Control-Variodyn VF PF1 CSA Drive System (2004 Compliant)	9/23/2008	Yes	Yes
Schindler Elevator Corp.	Miconic GX Controller (2004 Compliant)	9/23/2008	Yes	Yes
Schindler Elevator Corp.	IoEE [CUBE] Data Transfer Device Part# 51610368 and 51610450	6/15/2018	Yes	Yes
Schumacher Elevator Co.	Model: CP-PLC, CCP-PLC, A-PLC and CA-PLC Controllers	11/19/2015	Yes	Yes
Schumacher Elevator Co.	Micro - Speed	5/27/1993	Yes	No
Serge Elevator Corp.	PCI2Axxxxxx	8/4/1998	Yes	No
Serge Elevator Corp.	PCTMD, PCTML, PC2MD	10/2/1998	Yes	No
Serge Elevator Corp.	PCT25 & PC225	5/27/1998	Yes	No
Serge Elevator Corp.	PCI129xxxxxx	8/10/1993	Yes	No
Serge Elevator Corp.	PCT28xxxxxx	12/6/1999	Yes	No
Smartrise Engineering, Inc.	SCR DC Series C4 Controller	6/27/2019	Yes	Yes
Smartrise Engineering, Inc.	VVVF AC Series C4 Controller	6/27/2019	Yes	Yes
Smartrise Engineering, Inc.	Type SRH-Model SRH-XXXX	7/22/2014	No	No
Smartrise Engineering, Inc.	Amended-Type SRH-Model SRH-XXXX with APS	8/24/2015	No	No
Smartrise Engineering, Inc.	Amended-Type SRH-Model SRH-XXXX with CNX_MUSKEETEER Board	9/6/2017	No	Yes
Smartrise Engineering, Inc.	Type SRH-XXXX with R&R BLD	1/26/2015	No	No
Smartrise Engineering, Inc.	Type SRH-XXXX with Holister-Whitney Rope Grippers	10/9/2015	Yes	Yes
Smartrise Engineering, Inc.	SRH-SS-72EG34AFP,-72GG34AFP,-72HG34AFP,-72JG34.....with lock and valve boards	6/2/2014	No	Yes
Smartrise Engineering, Inc.	SRH-SS-72EG34AFP,-72GG34AFP,-72HG34AFP,-72JG34.....	6/12/2006	No	No
Smartrise Engineering, Inc.	SRH-VVVF-4040 Static Hydraulic Controller w/Yaskawa L1000H Drive(2004 Compliant)	10/31/2019	Yes	Yes
Smartrise Engineering, Inc.	Type SRH-40100 Static Hydraulic Controller (2004 Compliant)	8/23/2017	Yes	Yes
Smartrise Engineering, Inc.	SRA-2010,-15,-20,-25,-30,-40,-4010,-20,-25,-30,-40,-60,-75 with KEB Drive (2004)	1/6/2011	Yes	Yes
Smartrise Engineering, Inc.	Amended-Type SRA and SRD with APS	9/8/2015	Yes	Yes
Smartrise Engineering, Inc.	Amended-Type SRA and SRD with CNX_MUSKEETEER Board	9/6/2017	Yes	Yes
Smartrise Engineering, Inc.	SRA-2028,-2035,-2047,-2104,-4018,-4024,-4034.....	8/12/2008	Yes	Yes
Smartrise Engineering, Inc.	SRA 2028,-2035,-2047,-2104,-4018,-4024,-4034,&4039	6/12/2006	Yes	Yes
Smartrise Engineering, Inc.	SRA-2060,-2075,-2088,-2104-4008,-4016,-4021.....	8/12/2008	Yes	Yes
Smartrise Engineering, Inc.	SRA 2060,-2075,-2088,-2104,-4008,-4016,-4021,-4027	6/15/2006	Yes	Yes
Smartrise Engineering, Inc.	SRD-60,-125,-200	7/14/2008	Yes	Yes
Stannah Stairlifts Ltd.	260 (Battery Operated Stairway Chairlift)	9/9/2009	No	No
Stannah Stairlifts Ltd.	420 (Battery Operated Stairway Chairlift)	4/21/2009	No	No
Stannah Stairlifts Ltd.	420B (Battery Operated Stairway Chairlift)	4/21/2009	No	No
Star Delta Industries	MP-1500 - VVMG/DCR/ISAC/2SAC, MP-3500-VVMG	5/3/1988	Yes	No
Star Delta Industries	MP 3500-Zetadyn control	3/10/1986	Yes	No
Star Delta Industries	AC	6/17/1988	Yes	No
Star Delta Industries	SM - 116	8/26/1988	Yes	No
STROS	Type HS 1200 F4 with a NORDAC inverter for special purpose personnel & rack and pinion	7/28/2015	Yes	Yes

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STROS	Type HS 2700 F4 with a NORDAC inverter for special purpose personnel & rack and pinion	4/27/2015	Yes	Yes
STROS	Type HS 2800 F4 with a NORDAC inverter for special purpose personnel & rack and pinion	5/30/2018	Yes	Yes
Star Delta Industries	Relay	6/23/1987	No	No
The Thames Valley Co.	SE 1200	12/7/1990	Yes	No
Thyssen Dover Elevator	DMC - 1, DMC - 1/M, DMC - WCR w/ Nordic Starter	7/21/1995	No	No
Thyssen Dover Elevator	Independence	3/3/1999	No	No
Thyssen Dover Elevator	200 - PCB	4/19/1996	Yes	No
Thyssen Dover Elevator	IMS	5/7/1996	Yes	No
Thyssen Dover Elevator	Micro Modernizer II	8/3/1990	Yes	No
Thyssen Dover Elevator	DMC-1/A	12/18/1999	No	No
Thyssen Dover Elevator	LMT	2/1/1999	No	No
Thyssen Dover Elevator	Micro Modernizer II	8/15/1988	Yes	No
Thyssen Dover Elevator	Traflomatic IV VVVF	1/18/1994	Yes	No
Thyssen Dover Elevator	Traflomatic II	11/9/1992	Yes	No
Thyssen Dover Elevator	Traflomatic III	7/27/1990	Yes	No
Thyssen Dover Elevator	Traflomatic IV MG	1/18/1994	Yes	No
Thyssen Dover Elevator	TAC20	2/2/2001	No	Yes
Thyssen Dover Elevator	Traflomatic IV SCR	1/18/1994	Yes	No
Thyssen Dover Elevator	DMC - 1	4/8/1986	No	No
Thyssen Dover Elevator	TAC50 SCR	7/17/2000	Yes	Yes
Thyssen Dover Elevator	TAC50 PWMDC	7/26/2000	Yes	Yes
Thyssen Dover Elevator	TAC50 VVVF	7/26/2000	Yes	Yes
Thyssen Dover Elevator	2000 IC	3/6/1981	Yes	No
Thyssen Dover Elevator	DMC-II	5/7/1999	No	No
Thyssen Dover Elevator	Micro Modernizer III	8/9/1988	Yes	No
Thyssen Krupp Elevator	Moving Walkway Installed Only at Terminal 1, San Francisco International Airport [4 ea]	8/7/2019	Yes	Yes
ThyssenKrupp Elevator	Data Transmission Module [MAX]	9/9/2016	Yes	No
ThyssenKrupp Elevator	Data Transmission Module [MAX] Amendment #1 Model 2104CMXX	1/22/2019	Yes	No
ThyssenKrupp Elevator	Data Transmission Module [MAX V2]Amendment #2 Model 65000009413	5/1/2019	Yes	No
ThyssenKrupp Elevator	TAC 20-3 with Model 787AF(72DV) Starter	11/10/2009	No	No
ThyssenKrupp Elevator	TAC 20 with Model 787AF(72DV) Starter	11/10/2009	No	No
ThyssenKrupp Elevator	TAC 22 with Model 787AF(72DV) Starter	11/10/2009	No	No
ThyssenKrupp Elevator	TAC50-04 PWM (same feature with 2 additional enc)	12/10/2007	Yes	Yes
ThyssenKrupp Elevator	TAC50-03 PWM Controller	4/8/2005	Yes	No
ThyssenKrupp Elevator	ESC-2000	3/29/2012	No	Yes
ThyssenKrupp Elevator	FT9xx Escalator Controller	12/15/2012	Yes	Yes
ThyssenKrupp Elevator	TAC 50-4 with TKE (Accord) VVVF Drive	12/21/2011	Yes	Yes
ThyssenKrupp Elevator	TAC50-SCR	2/5/2008	Yes	Yes
ThyssenKrupp Elevator	TAC50-04 VVVF Controller	7/29/2005	Yes	Yes
ThyssenKrupp Elevator	ISIS 1 Controller	10/19/2004	Yes	Yes

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ThyssenKrupp Elevator	TAC 32 (2004 Compliant)	047/01/10	Yes	Yes
ThyssenKrupp Elevator	TAC22 Hydraulic Elevator Controller	1/8/2003	No	No
ThyssenKrupp Elevator	TAC32T (VVVF)	2/17/2015	Yes	Yes
ThyssenKrupp Elevator	TAC32T (VVVF) w/SIL Green Drive, in Enclosure or Stand-Alone. (2004 Compliant)	12/9/2019	Yes	Yes
ThyssenKrupp Elevator	TAC32T (PWM and SCR)	2/17/2015	Yes	Yes
ThyssenKrupp Elevator	TAC 32M Hydraulic Elevator Controller (2004 Compliant)	8/19/2011	No	Yes
ThyssenKrupp Elevator	TAC50-04 PWM Controller	7/29/2005	Yes	Yes
ThyssenKrupp Elevator	TAC50-03 VVVF Controller	4/8/2005	Yes	No
ThyssenKrupp Elevator	ICON Hydraulic Elevator Controller	04/03/06	No	No
ThyssenKrupp Elevator	TAC20-03 Hydraulic Elevator Controller	4/3/2006	No	No
ThyssenKrupp Elevator	TAC50-03 VVVF with TFR, DEM & Pyrometer	7/7/2006	Yes	Yes
ThyssenKrupp Elevator	TAC50-04 VVVF with TFR, DEM & Pyrometer	7/7/2006	Yes	Yes
ThyssenKrupp Elevator	ISIS 1 Controller with DEM and Pyrometer (V4R11A)	11/16/2006	Yes	Yes
ThyssenKrupp Elevator	TAC50-04 VVVF with TFR, DEM, Pyrometer and Vista	11/21/2006	Yes	Yes
ThyssenKrupp Elevator	ISIS 1 Controller with DEM, Pyrometer and Vista	11/21/2006	Yes	Yes
Tillipman Elevator Co.	110 - E - 9	7/27/1994	Yes	No
US Elevator Co.	SSD - 1	7/15/1982	Yes	No
US Elevator Co.	ASCENSION 1000	2/24/1992	Yes	No
US Elevator Co.	ASCENSION 2000 Hydro	4/28/1998	No	No
US Elevator Co.	ASCENSION 2000	8/16/1996	No	No
US Elevator Co.	MP 1220 MGD CLPC	3/12/1993	Yes	No
US Elevator Co.	MP 1220 DC300 SCR CLPC & MP 1220 840EISCR CLPC	8/22/1995	Yes	No
US Elevator Co.	MP 1230	8/26/1983	Yes	No
US Elevator Co.	MP 1220 - 100, 101, 102	3/24/1994	Yes	No
US Elevator Co.	ASCENSION 1000 & ASCENSION 1000 MCV	5/2/1994	No	No
US Elevator Co.	MP 1220 VCACD CLPC	12/10/1993	Yes	No
Vertiton Inc.	1000	8/26/1983	No	No
Vertitron Midwest Inc.	VCS2	5/18/2000	Yes	No
Vertitron Midwest Inc.	VCS-1 Hydraulic Controller	6/12/2000	No	No
Vertitron Midwest Inc.	VMI	3/17/1999	No	No
Vertitron Midwest Inc.	VHC-102	1/12/2006	No	No
Vertitron Midwest Inc.	AC - 1 Speed	9/8/1993	No	No
Virginia Controls Inc.	MH Hydro Controller with VC's BORIS	12/7/2011	No	No
Virginia Controls Inc.	MH Hydro Controller with BLD	12/7/2011	No	Yes
Virginia Controls Inc.	Micro SSAC	9/16/1996	No	No
Virginia Controls Inc.	MH	12/16/1994	No	No
Virginia Controls Inc.	MVFPM Controller (2004 Compliant)	7/26/2011	Yes	Yes
Virginia Controls Inc.	MVFPM Controller (2004 Compliant) With R & R Powervator Battery Operated Retrieval Device	11/10/2017	Yes	Yes
Virginia Controls Inc.	MVFPM Controller (2004 Compliant) Amendment #1 Adding MRL Conveyance	8/2/2018	Yes	Yes
Virginia Controls Inc.	MCLVV	5/10/1995	Yes	No

Division of Occupational Safety and Health (DOSH)
 Public Safety Program Solid State Controllers
 (Approved Devices by Manufacturer)
 As of 12/17/2019

Manufacturer Name	Controller Name	Date of Acceptance	Static Control	EMI Susceptibility Compliance
Virginia Controls Inc.	MVFAC	4/1/2002	Yes	Yes
Virginia Controls Inc.	MVFCL	8/7/1997	Yes	Yes
Virginia Controls Inc.	MDCD	3/18/1998	Yes	No
Virginia Controls Inc.	MH-2000	6/6/1998	No	No
Virginia Controls Inc.	Escalator/MW Series ME Controller with AB Powerflex 753 AC Drive (2004 Compliant)	5/26/2015	Yes	Yes
Virginia Controls Inc. (LAWA only)	Escalator Series ME Controller with AB Powerflex 753 AC Drive (2004 Compliant)	9/8/2011	Yes	Yes
Voyager Controls, Inc.	LVC 100 Controller	11/23/2004	No	No
Westinghouse Elevator Co.	M.D. - 2 B, 2C, DP, M69	3/22/1982	Yes	No
Westinghouse Elevator Co.	ERL, CIM, DMR	10/31/1983	Yes	No
Westmont Industries	EMS G3+	1/4/1995	Yes	No
ZPMC Co., Ltd.	KC 40	7/7/1997	No	No
ZPMC Co., Ltd.	TKJ20/1	3/11/2002	Yes	Yes
ZPMC Co., Ltd.	TK40[C]	3/17/2003	Yes	Yes