In Latching mode, when the Luma-Net channel level is corresponding to the relay is greater than 60%, the relay is turned on. The relay remains on until the Luma-Net channel level corresponding to the relay is less than 40%, that relay is turned off.

In Pulsed mode, each relay is "pulsed" on for 250ms when the Luma-net Channel has been below 40% and then rises above 60%. At all other times, the relay makes no change in state.

Mechoshade mode is designed specifically to work with shading devices by Mechoshade and the Mechoshade versions of the contact closure card (part numbers dcmsd-xxx.) In Mechoshade mode, the contact closure is addressed by (3) Luma-Net channels and is designed to operating (3) total shading devices, (2) 5-position shades and (1) 2-position blackout shade.

In Mechoshade mode, outputs 1-3 are addressed by the first Luma-Net channel, outputs 4-6 are addressed by the second Luma-Net channel, and outputs 7 & 8 are addressed by the third Luma-Net channel. The output relays are pulsed on for 250ms in fashion that tells the Mechoshade controller to set the position of the shade at Fully Open, 3/4 Open, 1/2 Open, 1/4 Open, and Fully Closed. The correlation between output and channel level is shown as follows:

ration items must occur:

1. Configuration & Programming of

Configuration of your device

use this device, the following configu-

your device. In order to successfully

a. Set behavior of the device b. Set starting Luma-Net Channel MPFR POSITIONS JP38

PARTIAL BLACK INDICATES JUMPER IS OFF JP37 JP36 JP 35 SOLID BLACK INDICATES JUMPER IS LATCH PULSE MECHO MODE "INSTALLED" OR ON Illustration of iumper settings

SETTING DEVICE BEHAVIOR

Device behavior is setup using JP35-38

These (4) jumpers set the interface to operate in one of three possible modes, latching, pulsed, or Mechoshade mode. To configure the interface to these modes, set the four jumpers to the positions indicated. For example, to configure the interface to work in latching mode, the following configuration would be

JP37=Off JP36=Off JP35=On

followed:

JP38=Off

2. <u>Terminate the Control Wiring</u>

The control interface for this device is Luma-Net. Luma-Net is an RS-485 based Leviton proprietary protocol which requires a data cable capable of carrying RS-485 digital data signals on (1) twisted pair and a common wire. Additionally, this interface requires a power connection for +12-24VDC.

Complete control wiring requirements can be found on our website and retrieving the technical application document titled "Luma-Net Control Wiring." This article can be found out www.leviton.com. This information can also be found in many of our other manuals like that found with you're a-2000, i Series, or Z-MAX power control cabinet.

Power & Control Facts Voltage Inputs



Data Topology





LIT-32835-00

Rev. A

Leviton NSI Division Headquarters 20497 SW Teton Avenue, Tualatin, OR 97062

LIGHTING CONTROL DIVISION

Building a Connected World

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installed, overloaded, short circuited, abused, or altered in any manner. Neither the seller nor Leviton sha be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the equipment. This Warranty does not cover lamps, ballasts, and other equipment which is supplied or warranted directly to the user by their manufacturer. Leviton makes no warranty as to the Fitness for Purpose or other implied Warranties

Warrantv

LEVITON LIGHTING CONTROLS DIVISION of Leviton manufacturing Co. Inc. warrants its Dimmer Systems and Controls to be free of material and workmanship defects for a period of two years after system accept ance or 26 months after shipment, whichever comes first. This Warranty is limited to repair or replacemen of defective equipment returned Freight Pre-Paid to Leviton Lighting Controls Division at 20497 Teton Ave. Tualatin, Oregon 97062, USA. User shall call 1-800-959-6004 and request a return authorization number to mark on the outside of the returning carton, to assure that the returned material will be properly received at Leviton. All equipment shipped back to Leviton must be carefully and properly packed to avoid shipping damage. Replacements or repaired equipment will be returned to sender freight prepaid, F.O.B. factory Leviton is not responsible for removing or replacing equipment on the job site, and will not honor charges for such work. Leviton will not be responsible for any loss of use time or subsequent damages should any of the equipment fail during the warranty period, but agrees only to repair or replace defective equipment returned to its plant in Tualatin, Oregon. This warranty is void on any product that has been improperly

Warranty Information

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[Z0-psupp Mechoshade Contact Closure

Preparation:

Put it in the Wall

'†

Terminate the Output Wiring

'£

Terminate the Control Wiring

Contiguration of your device

٦.

installation Steps:

:9Id6li6v6 tollowing system connections must be Prior to an attempt at installation, the into a 3-Gang Deep Masonry style backbox. This product is designed to be installed

XXX VErsions. controller if using one of the dcmsd-RI-12 connections to Mechoshade 2. Contact Closure lines to device or 1. Luma-Net data & power line

product. steps can be performed to installed the When the above is ready, the following

dcout-008

Contact Closure Output Version

Network Protocol Converters.

D8000, D4200, or projects utilizing or

closures. Possible control devices are

σε επιτευτ εσιτγιης οτ άτγ contact

Product. They may be used either

rated at 30V, 0.5A per contact are

(8) controlled Low Voltage Relays

ουτρυτς ποη αηγ Luma-Net Device.

control of low voltage contact closure

οιτρυτ ζατά ις designed to give you

ειμε τενιτοπ Ωιπεπειοπ Contact Closure





Installation Instructions and User Guide

Dimension Contact Closure Output Card

dcmsd-021 & dcout-008

November 2004 LIT-32835-00 Rev. A Check www.leviton.com for the latest updates to this information





Installation Steps:

Luma-Net Channel Level	Relays which are turned on for 250ms
0%	1 (fully closed)
25%	1 & 2 (1⁄4 open)
50%	2 (1⁄2 open)
75%	2 & 3 (3⁄4 open)
100%	3 (fully open)

Setting the Starting Luma-Net channels

An 8 switch dipswitch determines the group of (8) addresses to which this device responds. Reference the chart inside for the switch settings and the corresponding channels to which this device responds.



Note: In Mechoshade mode, only (3) channels are used. The remaining 5 channels remain unused.

Drain/Shield - Insulated and tied together 2#12AWG Black (Common) 2#12AWG hoenix/Luma-Net Connecto

Address Switch Settings

3. <u>Terminate the Output Wiring</u>

Output Termination

The relays are rated for 30V, 0.5A per relay. DO NOT EXCEED THIS RATING OR DAM-AGE TO THE DEVICE, YOUR PERSON, OR YOUR FACILITY MAY OCCUR.

The output termination varies depending on which model of card you have. The Mechoshade version requires the use of RJ-12 connectors as is standard with shading systems by Mechoshade and the terminal version uses two-part screw terminals for termination.

Silkscreen	RJ-12 Pin	Contact Closure Relay	Function			
Shade x	2	Common	N/A			
(x is 1, 2, or 3)	3	3	Shade Open			
	4	2	Shade 1/2			
	5	1	Shade Closed			

Mechoshade Version

dcmsd-021

Please find the illustration below which shows the termination of the RJ-12 connectors from the Mechoshade shading system controller to Leviton's contact closure control interface.

The top receptacle connects to the first shade, the second receptacle the second shade, and the third receptacle can connected to a BlackOut shade. Although not required, for reference the pin-out of the RJ-12 connector is as follows:



Terminal Version

dcout-008

Terminations to this version are shown in the illustration & chart below:

Please note that wire size & type for this function can not be determined nor recommend by Leviton as it is completely determined by your application. Exceeding the relay ratings as shown in this guide causes great risk which could include but is not limited to damaging the device, personal injury, or fire.



4. Put it in the Wall

Output Terminals

Installing the Device in the Wall

Please follow the illustration & steps below to install this device into the wall after all terminations have been completed:





Dipswitch Luma-Net Channel Assigned	d to Relay Dipswitc	h	Luma-Net	Channel	l Assigr	ned to R	elay	Dipswitch			Luma-N	let Channel	l Assigned t	o Relay		
Setting Out 1 Out 2 Out 3 Out 4 Out 5 O	Out 6 Out 7 Out 8 Setting	Out 1	Out 2 Out 3	3 Out 4	Out 5	Out 6	Out 7 Out 8	Setting	Out 1	Out 2	Out 3	Out 4	Out 5	Out 6	Out 7	Out 8
	6 7 8 0110 10	10 689	690 691	692	693	694	695 696	0011 0101	1377	1378	1379	1380	1381	1382	1383	1384
1000 0000 8 10 11 13 12	14 15 16 1110 10	10 607	609 600	700	701	700	702 704	1011 0101	1005	1200	1207	1000	1200	1200	1201	1200
	14 15 16 1110 10	10 057	030 033	700	701	702	703 704	1011 0101	1305	1300	1307	1300	1303	1350	1391	1392
0100 0000 17 18 19 20 21 3	22 23 24 0001 10	10 705	706 707	708	709	710	711 712	0111 0101	1393	1394	1395	1396	1397	1398	1399	1400
1100 0000 25 26 27 28 29	30 31 32 1001 10	10 713	714 715	716	717	718	719 720	1111 0101	1401	1402	1403	1404	1405	1406	1407	1408
0010 0000 33 34 35 36 37	38 39 40 0101 10	10 721	722 723	724	725	726	727 728	0000 1101	1409	1410	1411	1412	1413	1414	1415	1416
	46 47 48 4101 10	40 700	720 724	722	700	704	725 720	4000 1101	1417	1410	1410	1400	1401	1400	1400	1404
	46 47 46 1101 10	10 729	730 731	7.52	700	7.54	735 736	1000 1101	1417	1410	1419	1420	1421	1422	1425	1424
0110 0000 49 50 51 52 53 :	54 55 56 0011 10	10 737	738 739	740	741	742	743 744	0100 1101	1425	1426	1427	1428	1429	1430	1431	1432
1110 0000 57 58 59 60 61	62 63 64 1011 10	10 745	746 747	748	749	750	751 752	1100 1101	1433	1434	1435	1436	1437	1438	1439	1440
0001 0000 EF EE E7 E9 E0	70 71 72 0111 10	10 752	764 766	756	757	750	750 760	0010 1101	1441	1440	1442	1444	1445	1440	1447	1449
0001 0000 65 66 67 66 69	70 71 72 0111 10	10 753	/54 /55	756	/5/	758	759 760	0010 1101	1441	1442	1445	1444	1445	1446	1447	1448
1001 0000 73 74 75 76 77	78 79 80 11111 10	10 761	762 763	764	765	766	767 768	1010 1101	1449	1450	1451	1452	1453	1454	1455	1456
0101 0000 81 82 83 84 85	86 87 88 0000 01	10 769	770 771	772	773	774	775 776	0110 1101	1457	1458	1459	1460	1461	1462	1463	1464
		10 777	770 770	700	704	700	700 704	0110 1101	4.405	1400	4.407	4.400	4.400	4.470	4.474	4.470
1101 0000 89 90 91 92 93	94 95 96 1000 01	10 ///	1/8 //9	780	781	782	783 784	1110 1101	1465	1466	1467	1468	1469	1470	1471	1472
0011 0000 97 98 99 100 101 1	102 103 104 0100 01	10 785	786 787	788	789	790	791 792	0001 1101	1473	1474	1475	1476	1477	1478	1479	1480
1011 0000 105 106 107 108 109 1	110 111 112 1100 01	10 793	794 795	796	797	798	799 800	1001 1101	1481	1482	1/83	1484	1485	1486	1487	1488
		10 100	000 000	004	005	000	007 000	2001 1101	4.400	1402	4404	4400	1400	1400	4.405	4.400
		10 801	802 803	804	805	806	807 808	0101 1101	1489	1490	1491	1492	1493	1494	1495	1496
1111 0000 121 122 123 124 125 1	126 127 128 1010 01	10 809	810 811	812	813	814	815 816	1101 1101	1497	1498	1499	1500	1501	1502	1503	1504
0000 1000 129 130 131 132 133 1	134 135 136 0110 01	10 817	818 819	820	821	822	823 824	0011 1101	1505	1506	1507	1508	1509	1510	1511	1512
1000 1000 127 128 129 140 141 1	142 143 144 1110 01	10 925	976 977	000	000	020	021 022	1011 1101	1513	1514	1616	1516	1517	1619	1510	1520
		10 020	020 027	020	023	0.00	001 002	1011 1101	1515	1014	1010	1510	1517	1510	1013	1520
0100 1000 145 146 147 148 149 1	150 151 152 0001 01	10 833	834 835	836	837	838	839 840	0111 1101	1521	1522	1523	1524	1525	1526	1527	1528
1100 1000 153 154 155 156 157 1	158 159 160 1001 01	10 841	842 843	844	845	846	847 848	1111 1101	1529	1530	1531	1532	1533	1534	1535	1536
0010 1000 161 162 163 164 165 1	166 167 168 0101 01	10 8/9	850 851	852	853	854	855 856	0000 0011	1537	1538	1539	1540	1541	1542	1543	1544
		10 040	000 001	002	000	004	000 000	10000 0011	1557	1550	1555	1540	1541	4550	4554	4550
1010 1000 169 170 171 172 173 1	174 175 176 1101 01	10 857	858 859	860	861	862	863 864	1000 0011	1545	1546	1547	1548	1549	1550	1551	1552
0110 1000 177 178 179 180 181 1	182 183 184 0011 01	10 865	866 867	868	869	870	871 872	0100 0011	1553	1554	1555	1556	1557	1558	1559	1560
1110 1000 185 186 187 188 189 1	190 191 192 1011 01	10 873	874 875	876	877	878	879 880	1100 0011	1561	1562	1563	1564	1565	1566	1567	1568
		10 004	001 005	004	000	000	007 000	0010 0011	1500	1570	1574	1570	1570	1574	1575	1570
0001 1000 100 104 105 106 107 1	0111 01	10 001	002 883	004	005	000	007 000	10010 0011	1009	070	1971	1572	1973	1574	1975	15/6
1001 1000 201 202 203 204 205 2	206 207 2 <mark>08 111</mark> 1 01	10 889	890 891	892	893	894	895 896	1010 0011	1577	1578	1579	1580	1581	1582	1583	1584
0101 1000 209 210 211 212 213 2	214 215 216 0000 11	10 897	898 899	900	901	902	903 904	0110 0011	1585	1586	1587	1588	1589	1590	1591	1592
1101 1000 217 219 210 220 221	222 223 224 1000 11	10 005	906 007	ano	909	910	911 017	11110 0011	1502	1504	1505	1600	1607	1500	1500	1600
		20 202	011 907	000	303	010	010 012		1000	1054	1000	1030	1007	1000	1000	1000
0011 1000 225 226 227 228 229 2	230 231 232 0100 11	10 913	914 915	916	917	918	919 920	0001 0011	1601	1602	1603	1604	1605	1606	1607	1608
1011 1000 233 234 235 236 237 2	238 239 240 1100 11	10 921	922 923	924	925	926	927 928	1001 0011	1609	1610	1611	1612	1613	1614	1615	1616
0111 1000 241 242 243 244 245 3	246 247 248 0010 11	10 929	930 931	932	933	934	935 936	0101 0011	1617	1618	1619	1620	1621	1622	1623	1624
		10 007	000 000	0.40	0.44	042	042 041	1101 0011	1625	1600	1607	1620	1620	1620	1624	1622
1111 1000 249 250 251 252 253 2	254 255 256 1010 11	10 937	936 939	940	941	942	945 944	1101 0011	1625	1626	1627	1628	1629	1630	1631	1632
0000 0100 257 258 259 260 261 2	262 263 264 0110 11	10 945	946 947	948	949	950	951 952	0011 0011	1633	1634	1635	1636	1637	1638	1639	1640
1000 0100 265 266 267 268 269 2	270 271 272 1110 11	10 953	954 955	956	957	958	959 960	1011 0011	1641	1642	1643	1644	1645	1646	1647	1648
0100 0100 273 274 275 276 277 2	278 279 280 0001 11	10 961	230 230	96/	965	339	967 968	0111 0011	16/19	1650	1651	1652	1653	1654	1655	1656
	270 273 200 0001 11	10 000	072 000	070	070	074	075 070	0111 0011	1045	1000	4050	1002	1000	1004	1000	1000
1100 0100 281 282 283 284 285 2	286 287 288 1001 11	10 969	970 971	972	973	974	975 976	1111 0011	1657	1658	1659	1660	1661	1662	1663	1664
0010 0100 289 290 291 292 293 2	294 295 296 0101 11	10 977	978 979	980	981	982	983 984	0000 0011	1665	1666	1667	1668	1669	1670	1671	1672
1010 0100 297 298 299 300 301 3	302 303 304 1101 11	10 985	986 987	988	989	990	991 992	1000 0011	1673	1674	1675	1676	1677	1678	1679	1680
0110 0100 305 306 307 308 309 3	310 311 312 0011 11	10 003	001 005	996	007	002	999 1000	0100 0011	1691	1697	1683	1684	1685	1696	1687	1699
		10 000	334 333	330	1007	1000	1000	0100 0011	1001	1002	1003	1004	1003	1000	1007	1000
1110 0100 313 314 315 316 317 3	318 319 320 1011 11	10 1001	1002 1003	1004	1005	1006	1007 1008	1100 0011	1689	1690	1691	1692	1693	1694	1695	1696
0001 0100 321 322 323 324 325 3	326 327 328 0111 11	10 1009	1010 1011	1012	1013	1014	1015 1016	0010 0011	1697	1698	1699	1700	1701	1702	1703	1704
1001 0100 329 330 331 332 333 3	334 335 336 1111 11	10 1017	1018 1019	1020	1021	1022	1023 1024	1010 0011	1705	1706	1707	1708	1709	1710	1711	1712
0101 0100 227 228 220 240 241 2	247 242 244 0000 00	01 1075	1006 1007	1010	1000	1020	1021 1021	0110 0011	1712	1714	1715	1716	1717	1710	1710	1700
0101 0100 007 000 000 000 000 000	342 343 344 0000 00	01 1020	1020 1027	1020	1025	1030	1031 1032	0110 0011	1713	1714	1710	1710	17.17	1710	1715	1720
1101 0100 345 346 347 348 349 3	350 351 352 1000 00	01 1033	1034 1035	1036	1037	1038	1039 1040	1110 0011	1721	1722	1723	1724	1725	1726	1727	1728
0011 0100 353 354 355 356 357 3	358 359 360 0100 00	01 1041	1042 1043	3 1044	1045	1046	1047 1048	0001 0011	1729	1730	1731	1732	1733	1734	1735	1736
1011 0100 361 362 363 364 365 3	366 367 368 1100 00	01 1049	1050 1051	1052	1053	1054	1055 1056	1001 0011	1737	1738	1739	1740	1741	1742	1743	1744
		04 1057	1050 1051	1002	1000	1001	1000 1000	0101 0011	17.45	1746	1747	1740	1740	1750	1751	1750
	574 575 576 0010 00	01 1037	1000 1005	1000	1001	1002	1003 1004	0101 0011	1740	1740	1747	1740	1745	17:00	17.01	17.52
1111 0100 377 378 379 380 381 3	382 383 384 1010 00	01 1065	1066 1067	1068	1069	1070	1071 1072	1101 0011	1753	1754	1755	1756	1757	1758	1759	1760
0000 1100 385 386 387 388 389 3	390 391 392 0110 00	01 1073	1074 1075	5 1076	1077	1078	1079 1080	0011 0011	1761	1762	1763	1764	1765	1766	1767	1768
1000 1100 393 394 395 396 397 3	398 399 400 1110 00	01 1081	1082 1083	1084	1085	1086	1087 1088	1011 0011	1769	1770	1771	1772	1773	1774	1775	1776
	406 407 408 9004 90	04 1000	1002 1001	1001	1000	1004	1005 1006	0111 0011	1777	1779	1770	1700	1701	1700	1700	1794
	406 407 406 0001 00	01 1009	1090 1091	1092	1095	1094	1095 1096	0111 0011	1777	1770	1779	1700	1701	1702	1703	1704
1100 1100 409 410 411 412 413 4	414 415 416 1001 00	01 1097	1098 1099	1100	1101	1102	1103 1104	1111 0011	1785	1786	1/8/	1788	1789	1790	1791	1792
0010 1100 417 418 419 420 421 4	422 423 424 0101 00	01 1105	1106 1107	11108	1109	1110	1111 1112	0000 1011	1793	1794	1795	1796	1797	1798	1799	1800
1010 1100 425 426 427 428 429 4	430 431 432 1101 00	01 1113	1114 1115	1116	1117	1119	1110 1120	1000 1011	1901	1902	1903	1904	1905	1906	1907	1909
	420 420 440 004	04 4494	1100 1100	1424	1105	1100	1107 1120	0100 1011	1000	1010	1044	1040	1940	104.4	1045	1040
0110 1100 433 434 435 436 437 4	438 439 440 0011 00	01 1121	1122 1123	1124	1125	1126	1127 1128	0100 1011	1809	1810	1811	1812	1813	1814	1815	1816
1110 1100 441 442 443 444 445 4	446 447 448 1011 00	01 1129	1130 1131	1132	1133	1134	1135 1136	11100 1011	1817	1818	1819	1820	1821	1822	1823	1824
0001 1100 449 450 451 452 453 4	454 455 456 0111 00	01 1137	1138 1139	9 1140	1141	1142	1143 1144	0010 1011	1825	1826	1827	1828	1829	1830	1831	1832
1001 1100 457 459 450 460 464 4	462 463 464 1111 00	01 1145	1146 1147	1140	1140	1150	1151 1150	1010 1011	1900	1924	1825	1990	1997	1900	1920	1840
1001 1100 407 400 409 400 401 4		01 1145	1140 1147	1140	1149	0011	1151 1152	1010 1011	1033	1034	1035	1030	1037	1030	1039	1040
0101 1100 465 466 467 468 469 4	4/U 4/1 472 0000 10	01 1153	1154 1155	1156	1157	1158	1159 1160	0110 1011	1841	1842	1843	1844	1845	1846	1847	1848
1101 1100 473 474 475 476 477 4	478 479 480 1000 10	01 1161	1162 1163	1164	1165	1166	1167 1168	11110 1011	1849	1850	1851	1852	1853	1854	1855	1856
0011 1100 481 482 483 484 485 4	486 487 488 0100 10	01 1160	1170 1171	1172	1173	1174	1175 1176	0001 1011	1857	1858	1859	1860	1861	1862	1863	1864
		04 4477	1170 1470	1172	1104	1102	1100 1170	1001 1011	1007	1000	1000	1000	1001	1002	1003	1072
1011 1100 409 490 491 492 493 4	+34 495 496 1100 10	01 1177	11/0 11/9	1180	1181	1102	1103 1184	1001 1011	1065	1000	1007	1000	1069	10/0	10/1	1072
0111 1100 497 498 499 500 501 5	502 503 504 0010 10	01 1185	1186 1187	1188	1189	1190	1191 1192	0101 1011	1873	1874	1875	1876	1877	1878	1879	1880
1111 1100 505 506 507 508 509 5	510 511 512 1010 10	01 1193	1194 1195	1196	1197	1198	1199 1200	1101 1011	1881	1882	1883	1884	1885	1886	1887	1888
0000 0010 513 514 515 516 517 5	518 519 520 0110 10	01 1201	1202 1203	1204	1205	1206	1207 1208	0011 1011	1999	1890	1891	1992	1803	1997	1995	1896
		04 4000	1202 1203	1204	1203	1200	1200 1200	1011 1011	1003	1000	1001	4000	1000	1004	1000	1000
1000 0010 521 522 523 524 525 5	526 527 528 1110 10	01 1209	1210 1211	1212	1213	1214	1215 1216	1011 1011	1897	1898	1899	1900	1901	1902	1903	1904
0100 0010 529 530 531 532 533 5	534 535 536 0001 10	01 1217	1218 1219	1220	1221	1222	1223 1224	0111 1011	1905	1906	1907	1908	1909	1910	1911	1912
1100 0010 537 538 539 540 541 5	542 543 544 1001 10	01 1225	1226 1227	1228	1229	1230	1231 1232	1111 1011	1913	1914	1915	1916	1917	1918	1919	1920
0010 0010 545 546 547 540 540 5	550 551 552 0101 10	01 1000	1024 1005	1000	1007	1000	1020 10/0	0000 0111	1004	1011	1000	1004	1005	1000	1007	1000
0010 0010 040 040 047 040 049 0		01 1233	1234 1235	1230	1237	1230	1235 1240		1321	1322	1525	1324	1925	1320	1327	1520
1010 0010 553 554 555 556 557 5	558 559 560 1101 10	01 1241	1242 1243	1244	1245	1246	1247 1248	1000 0111	1929	1930	1931	1932	1933	1934	1935	1936
0110 0010 561 562 563 564 565 5	566 567 568 0011 10	01 1249	1250 1251	1252	1253	1254	1255 1256	0100 0111	1937	1938	1939	1940	1941	1942	1943	1944
1110 0010 569 570 571 572 573 6	574 575 576 1011 10	01 1257	1258 1259	1260	1261	1262	1263 1264	1100 0111	1945	1946	1947	1948	1949	1950	1951	1952
	593 593 594 0444 40	01 1005	1266 1203	1000	1000	1270	1071 1079	0010 0111	1050	1054	1055	1050	1057	1050	1050	1900
0001 0010 201 202 203 200 281 2	JU2 303 304 U111 10	01 1205	1200 126/	1200	1209	12/0	12/1 12/2		1953	1954	1900	1956	1957	1950	1959	1960
1001 0010 585 586 587 588 589 5	590 591 592 1111 10	01 1273	1274 1275	1276	1277	1278	1279 1280	1010 0111	1961	1962	1963	1964	1965	1966	1967	1968
0101 0010 593 594 595 596 597 5	598 599 600 0000 01	01 1281	1282 1283	1284	1285	1286	1287 1288	0110 0111	1969	1970	1971	1972	1973	1974	1975	1976
1101 0010 601 602 603 604 605 6	506 607 608 1000 01	01 1289	1290 1291	1292	1293	1294	1295 1296	11110 0111	1977	1978	1979	1980	1981	1982	1983	1984
		01 4007	100 1201	1202	1200	1207	1202 4204	0001 0111	1005	1000	1007	1000	1000	1002	1004	1000
		01 129/	1290 1299	1300	1301	1302	1303 1304	0001 0111	1900	1900	1007	1900	1909	1990	1991	1992
1011 0010 617 618 619 620 621 6	022 623 624 1100 01	01 1305	1306 1307	1308	1309	1310	<u>1311 131</u> 2	1001 0111	1993	1994	1995	1996	1997	1998	1999	2000
0111 0010 625 626 627 628 629 6	630 631 632 0010 01	01 1313	1314 1315	5 1316	1317	1318	1319 1320	0101 0111	2001	2002	2003	2004	2005	2006	2007	2008
1111 0010 633 634 635 636 637 6	38 639 640 1010 01	01 1321	1322 1325	1324	1325	1326	1327 1328	1101 0111	2009	2010	2011	2012	2013	2014	2015	2016
	SA6 647 649 0110 01	01 1000	1330 1324	1024	1222	1324	1335 1320	0011 0111	2000	2010	2011	2012	2010	2022	2010	2010
		01 1329	1330 1331	1332	1333	1004	1000 1000		2017	2010	2019	2020	2021	2022	2023	2024
1000 1010 649 650 651 652 653 6	054 655 656 1110 01	01 1337	1338 1339	1340	1341	1342	1343 1344	1011 0111	2025	2026	2027	2028	2029	2030	2031	2032
0100 1010 657 658 659 660 661 6	662 663 664 0001 01	01 1345	1346 1347	1348	1349	1350	1351 1352	0111 0111	2033	2034	2035	2036	2037	2038	2039	2040
1100 1010 665 666 667 668 669 F	670 671 672 1001 01	01 1353	1354 1355	i 1356	1357	1358	1359 1360	1111 0111	2041	2042	2043	2044	2045	2046	2047	2048
0010 1010 673 674 675 676 677 6	578 679 680 0101 01	01 1364	1362 1363	1364	1365	1366	1367 1369									
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	00 007 000	04 4000	1070 4074	4070	4070	1071	1075 4070									