



PRICE LIST

2023

Effective From April 2023
Subject To Sales & Service Tax
No. Daftar CJ: W24-1809-2200 0202
Electronic Control and Protection Relay
Tariff Code: 8536 411 000

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HOKKIM CONTROLS SDN. BHD.
PRICE LIST 2023

Contents	Page
Hokkim Power Factor Regulators	1
Hokkim Earthfault & Overcurrent Relays	1
Hokkim Earth Leakage Relay & Zero Phase C.T.	2
Hokkim Voltage Protection Relays	2-3
Hokkim Phase Failure / Phase Sequence Relays	3
Hokkim Frequency Relay / Speed Sensing Relays	4
Hokkim Capacitor Relays	4
Hokkim Floatless Relays	5
Hokkim AC Current Relays	5
Hokkim DC Current Relays	6
Hokkim Sequence Control Relays	7
Hokkim Pulse Card Relays	7
Hokkim AMF Integrated Controller & Control Relays	8
Hokkim Alarm Annunciator & Relays	9
Hokkim Stepper Switches (Step Controller)	9
Hokkim Flashing, Pulse, Delay Timers, No Volt & Remote Control	9
Hokkim Battery Chargers & Power Supplies	10
Hokkim Lamp Test Controls	10
Hokkim Special 11-pin Plug-in Relays	11
Hokkim Thermistor Probe Relays	11
Hokkim Aircraft Warning Light Relays	11
Hokkim Surge Arrestor Relays	11
Hokkim General Control & Protection Relays	12
Hokkim Transducers / Transducer Selection Code	13
Hokkim PIC Series Programmable Controllers	14

HOKKIM POWER FACTOR REGULATORS
SIRIM Test Report No. EL940376 available upon request.

STK#	MODEL	DESCRIPTION	LIST M\$
1011	HL-7	7-Step Power Factor Regulator	852.00
1012	HL-14	14-Step Power Factor Regulator	1,222.00
1013	HL-7i	7-Step Power Factor Regulator with P.F Indicator	1,050.00
1014	HL-14i	14-Step Power Factor Regulator with P.F Indicator	1,420.00
1015	HL-7c	7-Step Cyclic Power Factor Regulator	951.00
1016	HL-14c	14-Step Cyclic Power Factor Regulator	1,320.00
1017	HL-7ci	7-Step Cyclic Power Factor Regulator with P.F Ind.	1,149.00
1018	HL-14ci	14 Step Cyclic Power Factor Regulator with P.F Ind.	1,519.00
1019	HL-20	20-Step Power Factor Regulator	2,939.00
1020	HL-20c	20-Step Cyclic Power Factor Regulator	3,482.00
1021	HL-24	24-Step Power Factor Regulator	3,309.00
1024	HL-24c	24-Step Cyclic Power Factor Regulator	3,920.00
1025	HL-26	26-Step Power Factor Regulator	3,226.00
1023	HL-26c	26-Step Cyclic Power Factor Regulator	3,820.00
1022	HL-30	30-Step Power Factor Regulator	4,135.00
1026	HL-30c	30-Step Cyclic Power Factor Regulator	4,408.00

HOKKIM EARTHFAULT & OVERCURRENT PROTECTION RELAYS
SIRIM Test Report No. EL970246 available upon request.

STK#	MODEL	DESCRIPTION	LIST M\$
<u>EARTHFAULT RELAYS</u>			
1102	HEF-D	Earthfault with Adjustable Delay Trip	519.00
1103	HEF-M	Earthfault with Delay & Multiplier Override Trip	585.00
1104	HEF-T	Earthfault with IDMT	701.00
<u>OVERCURRENT RELAYS</u>			
1105	HCF-D	Overcurrent with Adjustable Delay Trip	587.00
1106	HCF-M	Overcurrent with Delay & Multiplier Override Trip	679.00
1107	HCF-T	Overcurrent with IDMT	818.00
<u>EARTHFAULT & OVERCURRENT RELAYS</u>			
1108	HEC-D	Earthfault & Overcurrent with Adjustable Delay Trip	1,160.00
1109	HEC-M	Earthfault & Overcurrent with Delay & Multiplier Override Trip	1,408.00
1110	HEC-T	Earthfault & Overcurrent with IDMT	1,778.00

HOKKIM EARTH LEAKAGE PROTECTION RELAY

STK#	MODEL	DESCRIPTION	LIST M\$
1120	ELR-1	Earth Leakage Relay 500mA with delay	302.00
1121	ZCT-50	Zero Current Transformer 50mmφ	87.00

HOKKIM VOLTAGE PROTECTION RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
3 Phase 3 Wire (Detects variation in the sum of the 3 phase voltages)			
1201	DUV-R	Under Voltage Relay	333.00
1202	DUV-D	Under Voltage Relay with delay	377.00
1203	DUV-2R	Under Voltage Relay with 2 contacts	364.00
1204	DUV-2D	Under Voltage Relay with 2 contacts & delay	420.00
1205	DOV-R	Over Voltage Relay	370.00
1206	DOV-D	Over Voltage Relay with delay	425.00
1207	DOV-2R	Over Voltage Relay with 2 contacts	413.00
1208	DOV-2D	Over Voltage Relay with 2 contacts & delay	469.00
1209	DUOV-R	Under / Over Voltage Relay with separate contacts	507.00

HOKKIM COMPACT PLUG-IN VOLTAGE RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
3 Phase 4 Wire (Detects variation in each of the 3 phase voltages separately)			
1231	TUV-N	Under Voltage Relay (8 pin plug-in type)	333.00
1232	NUV-N	Under Voltage Relay (11 pin plug-in type)	352.00
1233	NUV-ND	Under Voltage Relay with delay	442.00
1234	NUV-2N	Under Voltage Relay with 2 contacts	425.00
1235	NUV-2ND	Under Voltage Relay with 2 contacts & delay	484.00
1236	TOV-N	Over Voltage Relay (8 pin plug-in type)	444.00
1237	NOV-N	Over Voltage Relay (11 pin plug-in type)	463.00
1238	NOV-ND	Over Voltage Relay with delay	491.00
1239	NOV-2N	Over Voltage Relay with 2 contacts	477.00
1240	NOV-2ND	Over Voltage Relay with 2 contacts & delay	534.00
1241	NUOV-N	Under / Over Voltage Relay with separate contacts	570.00
1242	NUOV-ND	Under / Over Voltage Relay with separate contacts & delay	614.00

HOKKIM COMPACT PLUG-IN VOLTAGE RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1 Phase 2 Wire			
1271	TUV-L	Under Voltage Relay (8 pin plug-in type)	309.00
1272	NUV-LD	Under Voltage Relay with delay (11 pin plug-in type)	377.00
1273	NUV-2L	Under Voltage Relay with 2 contacts	364.00
1274	NUV-2LD	Under Voltage Relay with 2 contacts & delay	420.00
1275	TOV-L	Over Voltage Relay (8 pin plug-in type)	370.00
1276	NOV-LD	Over Voltage Relay with delay	425.00
1277	NOV-2L	Over Voltage Relay with 2 contacts	413.00
1278	NOV-2LD	Over Voltage Relay with 2 contacts & delay	469.00
1279	NUOV-L	Under / Over Voltage Relay with separate contacts	507.00
1280	NUOV-LD	Under / Over Voltage Relay with separate contacts & delay	614.00
1281	DUV-L	Under Voltage Relay (Din rail type)	333.00
1282	DUV-LD	Under Voltage Relay with delay	377.00
1283	DUV-2L	Under Voltage Relay with 2 contacts	364.00
1284	DUV-2LD	Under Voltage Relay with 2 contacts & delay	420.00
1285	DOV-L	Over Voltage Relay (Din rail type)	370.00
1286	DOV-LD	Over Voltage Relay with delay	425.00
1287	DOV-2L	Under Voltage Relay with 2 contacts	414.00
1288	DOV-2LD	Under Voltage Relay with 2 contacts & delay	491.00
1289	DUO-VL	Under / Over Voltage Relay with separate contacts	507.00

HOKKIM PHASE FAILURE / PHASE SEQUENCE RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1311	DSV-N	Phase Failure / Phase Sequence Relay	290.00
1312	DSV-2N	Phase Failure / Phase Sequence Relay with 2 contacts	328.00
1315	DAR-M	Asymmetry Relay	395.00
1316	DAR-2M	Asymmetry Relay with 2 contacts	433.00
1320	TSV-N	Phase Failure / Phase Sequence Relay (8 pin plug-in type)	290.00
1321	TSV-NA	Phase Failure / Phase Sequence Relay with adjustable trip	314.00
1322	SN170	Phase Failure / Phase Sequence Relay (11 pin plug-in type)	297.00
1323	SN172	Phase Failure / Phase Sequence Relay with 2 contacts	328.00

HOKKIM FREQUENCY RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
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1 Phase 2 Wire D-Series casing

1510	DUF-5	40-60Hz Under Frequency Relay	424.00
1511	DOF-5	40-60Hz Over Frequency Relay	424.00
1512	DOF-5S	40-60Hz Over Frequency Relay with delay release	424.00
1513	DUOF-5	40-60Hz Under / Over Frequency Relay	608.00

1 Phase 2 Wire 11 Pin plug-in casing

1515	NUF-5	40-60Hz Under Frequency Relay	424.00
1521	NOF-5	40-60Hz Over Frequency Relay	424.00
1531	NUOF-5	40-60Hz Under / Over Frequency Relay	608.00
1532	NUOF-5S	40-60Hz Under / Over Frequency Relay (2 Phase 415V)	608.00

HOKKIM ENGINE SPEED SENSING RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
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DC 12V or 24V

1550	TFQ-1	Over Speed & Crank Cut Relay (15 - 800Hz W-Phase)	319.00
1551	TFQ-2	Over Speed & Crank Cut Relay (30 - 1700Hz W-Phase)	319.00
1552	TFQ-3	Over Speed & Crank Cut Relay (60 - 3600Hz W-Phase)	319.00
1553	TFQ-M	Over Speed & Crank Cut Relay (1KHz - 8KHz Magnetic)	319.00
1554	SFQ-1	Over Speed Relay (115Hz - 800Hz W-Phase)	272.00
1555	SFQ-M	Over Speed Relay (1.1KHz - 7.5KHz Magnetic Pick-up)	319.00
1556	TFQ-OS	Over Speed Relay (250Hz - 1.6KHz Charger W-Phase)	319.00
1557	TFQ-OS3	Over Speed Relay (450Hz - 3.5KHz Charger W-Phase)	319.00
1558	TFQ-MS	Over Speed Relay (1KHz - 7KHz Magnetic Pick-up)	319.00
1559	TFQ-CC	Crank Cut Relay (35Hz - 850Hz Charger W-Phase)	319.00
1560	TFQ-CC3	Crank Cut Relay (65Hz - 1600Hz Charger W-Phase)	319.00
1561	TFQ-X	Over Speed Sensing Relay	319.00
1562	NFQ-1	Speed Sensing Relay for Gen-Set	319.00

HOKKIM CAPACITOR RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
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Maximum 40VDC

1581	DCAP-1	Capacitor Relay 10,000uF (for AMF board)	111.00
1582	DCAP-2	Capacitor Relay 20,000uF (for AMF board)	167.00
1583	DCAP-3	Capacitor Relay 30,000uF (for AMF board)	222.00
1584	DCAP-24	Input 28V – 36V, Output Regulated at 24VDC (for PLC)	400.00

HOKKIM FLOATLESS RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1602	TFR-N	Single Tank Control (8 pin plug-in type)	100.00
1603	TFR-AN	High Alarm or Low Alarm Only	100.00
1610	DFR-1	Single Tank Control	180.00
1611	DFR-HB	Single Tank Control with High Alarm	347.00
1612	DFR-LB	Single Tank Control with Low Alarm	347.00
1613	DFR-BB	Single Tank Control with High & Low Alarm	382.00
1620	DFR-2	Double Tank Control	375.00
1622	DFR-A	High & Low Alarm Only with separate contacts	211.00
1623	DFR-4H	4 High Level Alarm	400.00
1624	DFR-4L	4 Low Level Alarm	400.00

HOKKIM AC CURRENT RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1420	DUC-2	0-2A AC Under Current Relay	395.00
1421	DUC-2D	0-2A AC Under Current Relay with delay	433.00
1422	DUC2-2	0-2A AC Under Current Relay with 2 contacts	420.00
1423	DUC2-2D	0-2A AC Under Current Relay with 2 contacts & delay	458.00
1426	DUC-5	0-5A AC Under Current Relay	395.00
1427	DUC-5D	0-5A AC Under Current Relay with delay	433.00
1431	DUC-10	0-10A AC Under Current Relay	458.00
1435	DUC2-5	0-5A AC Under Current Relay with 2 contacts	420.00
1436	DUC2-5D	0-5A AC Under Current Relay with 2 contacts & delay	458.00
1438	DUC2-8D	0-8A AC Under Current Relay with 2 contacts & delay	458.00
1440	DOC-2	0-2A AC Over Current Relay	395.00
1441	DOC-2D	0-2A AC Over Current Relay with delay	433.00
1442	DOC2-2	0-2A AC Over Current Relay with 2 contacts	420.00
1443	DOC2-2D	0-2A AC Over Current Relay with 2 contacts & delay	458.00
1445	DOC-5	0-5A AC Over Current Relay	395.00
1446	DOC-5D	0-5A AC Over Current Relay with delay	433.00
1447	DOC2-5	0-5A AC Over Current Relay with 2 contacts	420.00
1448	DOC2-5D	0-5A AC Over Current Relay with 2 contacts & delay	458.00
1449	DUOC-5	0-5A AC Under & Over Current Relay	507.00
1450	DCC-5	0-5A AC 5 Steps Current Detector Relay	555.00
1451	DOC-5H	Over Current Relay	433.00

Different current ratings like; 1A, 3A, 8A, 10A are available upon request.

HOKKIM DC CURRENT RELAYS, DC VOLTAGE RELAYS, DC CONTROL RELAY

STK#	MODEL	DESCRIPTION	LIST M\$
1460	DCD-02	0-20mA DC Detector	364.00
1461	DCD-02D	0-20mA DC Detector with delay	402.00
1462	DCD2-02	0-20mA DC Detector with 2 contacts	389.00
1463	DCD2-02D	0-20mA DC Detector with 2 contacts & delay	427.00
1470	DUD-2D	0-2A DC Under Current Relay with delay	478.00
1473	DUD-5D	0-5A DC Under Current Relay with delay	478.00
1476	DOD-2D	0-2A DC Over Current Relay with delay	478.00
1478	DOD-5D	0-5A DC Over Current Relay with delay	478.00
1480	DUOD-025	0-25mA DC Under & Over Current Relay	507.00
1482	DC2012	20VDC to 12VDC 100mA Convertor	64.00
1483	DC-HV	12VDC to High Voltage Ignitor Relay (require HV coil)	142.00
1484	DUV-C	DC Under Voltage Relay with auxiliary supply	322.00
1485	DUD2-2	0-2A DC Under Current Relay with 2 contacts	420.00
1486	DVD-5	0-5V DC Voltage Detector Relay	364.00
1487	DVD-10	0-10V DC Voltage Detector Relay	364.00
1488	DMVD-1	0-100mV DC Voltage Detector Relay	364.00
1490	NUOV-DC	110V DC Under & Over Voltage Relay with delay	511.00
4120	CGC-1	Gen-Set Cranking Card PNP (Fire Fighting Board)	161.00
4121	CGC-2	Gen-Set Cranking Card NPN (Fire Fighting Board)	161.00
4122	NCR-1	Gen-Set Cranking relay (1-9 Attempts Selection)	189.00
4126	TVI	10 LED Battery Voltage Indicator	47.00
4127	TPVMR-D	Precision DC Voltage Monitoring Relay Single with Delay	298.00
4152	TPVMR-2D	Precision DC Voltage Monitoring Relay Double with Delay	333.00
4153	TTC-R	Thermal Contact Trip Relay	105.00
4132	TPM-2	Twin Fault Relay Driver	278.00
4154	NPVM-2RD	Precision DC Voltage Monitoring Relay c/w 2 cont. & delay	507.00

HOKKIM SEQUENCE CONTROL RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1702	DIR-02	Impulse Relay (2 step sequence relay)	171.00
1703	DRS-03	3 Steps Reverse Sequence Relay	344.00
1704	DRS-04	4 Steps Reverse Sequence Relay	458.00
1705	DRS-05	5 Steps Reverse Sequence Relay	575.00
1706	DRS-06	6 Steps Reverse Sequence Relay	687.00
1707	DRS-07	7 Steps Reverse Sequence Relay	800.00
1708	DRS-08	8 Steps Reverse Sequence Relay	913.00
1709	DRS-09	9 Steps Reverse Sequence Relay	1,027.00
1710	DRS-10	10 Steps Reverse Sequence Relay	1,142.00
1722	PSR-02	2 Steps Sequence Relay	231.00
1723	PSR-03	3 Steps Sequence Relay	324.00
1724	PSR-04	4 Steps Sequence Relay	433.00
1725	PSR-05	5 Steps Sequence Relay	544.00
1726	PSR-06	6 Steps Sequence Relay	649.00
1727	PSR-07	7 Steps Sequence Relay	755.00
1728	PSR-08	8 Steps Sequence Relay	864.00
1729	PSR-09	9 Steps Sequence Relay	971.00
1730	PSR-10	10 Steps Sequence Relay	1,078.00
1743	DMS-3P	3 Steps Sequence Rotation Relay (Pressure/Temperature)	742.00
1744	DMS-4P	4 Steps Sequence Rotation Relay (Pressure/Temperature)	840.00
1745	DMS-5P	5 Steps Sequence Rotation Relay (Pressure/Temperature)	938.00
1746	DMS-6P	6 Steps Sequence Rotation Relay (Pressure/Temperature)	1,038.00
1749	DMS-2W	2 Steps Sequence Rotation Relay (Water Level)	618.00
1750	DMS-3W	3 Steps Sequence Rotation Relay (Water Level)	742.00
1751	DMS-4W	4 Steps Sequence Rotation Relay (Water Level)	840.00
1752	DMS-5W	5 Steps Sequence Rotation Relay (Water Level)	938.00
1753	DMS-6W	6 Steps Sequence Rotation Relay (Water Level)	1,038.00
1754	IWK-8W	8 Steps Sequence Rotation Relay (Water Level)	1,680.00

Note : For Indah Water Konsortium projects ; order as follows ; IWK-3W, IWK-4W etc.

HOKKIM PULSE CARD RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1760	PC-06	6 Steps Pulse Card Relay	649.00
1761	PC-07	7 Steps Pulse Card Relay	755.00
1762	PC-08	8 Steps Pulse Card Relay	864.00
1763	PC-09	9 Steps Pulse Card Relay	971.00
1764	PC-10	10 Steps Pulse Card Relay	108.00

HOKKIM AUTOMATIC MAINS FAILURE CONTROLLERS

STK#	MODEL	DESCRIPTION	LIST MS
1817	NAMF-S	Compact AMF Control Relay (11-Pin) Energize Stop	431.00
1818	NAMF-R	Compact AMF Control Relay (11-Pin) Energize Run	431.00
1819	HAS-CB	Auto Start AMF Controller	844.00
1820	HAMF-8	Integrated AMF Controller c/w 8 alarm	1,927.00
1821	HAMF-4	Integrated AMF Controller c/w 4 alarm	1,555.00
1822	DAMF-5	Digital AMF Controller c/w 5 alarm	1,420.00

Alarm Extension for HAMF-8/4

1850	FARX-8	8 Way Alarm Extension Board	747.00
1851	FARX-4	4 Way Alarm Extension Board	387.00
1852	NFAR-1	1 Way Alarm Extension Relay (11-Pin)	120.00
1853	TES-T	Energized Stop Timer for NAMF-R (8-Pin)	61.00

Replacement Parts for HAMF-8/4 & HAS-CB

1826	MAMF-AS	HAS-CB Motherboard Only	431.00
1827	MAMF-AS	HAS-CB Fault Reset Relay Card	69.00
1828	MAMF/4	HAMF-4 Motherboard Only	595.00
1829	MAMF/8	HAMF-8 Motherboard Only	775.00
1830	OPR	Oil Pressure Relay Card with 4 Contacts	131.00
1831	ESR	Emergency Stop Relay Card	69.00
1832	FMR	Fault Monitor Relay Card	69.00
1833	EST	Energized Stop Timer Card	91.00
1834	MFT	Mains Fail Timer Card	102.00
1835	SDT	Shutdown Timer & Fuel Solenoid Card	95.00
1836	SDT4	Shutdown Timer & Fuel Solenoid with delay Card	95.00
1837	GRR	Generator Run Relay Card	132.00
1838	CCR	Crank Cut Relay Card	62.00
1839	OPT	Oil Pressure Timer Card	75.00
1840	ASR	Attempt Start Relay Card	180.00
1841	BCR	Bell Cancel Relay Card	69.00
1842	LFR	Lamp Flashing Relay Card	69.00
1843	FAR	Fault Alarm Relay Card	81.00
1844	MFT-V	Surge Arrestor Card	100.00

HOKKIM ALARM ANNUNCIATOR RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
1803	NAR-Q	Annunciator - Master Unit	164.00
1804	NAR-P	Annunciator - Modular I/O Unit	142.00
1805	NAR-X	Annunciator - Fault Latch Relay Unit	120.00
1806	NAR-PX	Annunciator - Modular I/O Unit with Fault Latch	153.00
1807	N960	Annunciator - Modular Master & I/O Unit	175.00
4131	HAC-16	Re-triggerable Alarm Card	481.00
4210	HAC-8M	Re-triggerable Alarm Card (Master)	265.00
4211	HAC-8S	Re-triggerable Alarm Card (Slave)	218.00

Please state voltage when ordering; 12VDC or 24VDC

HOKKIM STEPPER SWITCHES (STEP CONTROLLER)

STK#	MODEL	DESCRIPTION	LIST M\$
1910	TSS-3M	3 Steps Fixed Delay Switch - Master Unit	158.00
1911	TSS-3/1	1 Step Fixed Delay Switch - Modular Unit	75.00
1912	TSS-3/2	2 Steps Fixed Delay Switch - Modular Unit	111.00
1913	TSS-3/3	3 Steps Fixed Delay Switch - Modular Unit	153.00
1920	HSS-4M	4 Steps Adjustable Delay Switch - Master Unit	209.00
1921	HSS-8M	8 Steps Adjustable Delay Switch - Master Unit	415.00
1922	HSS-4	4 Steps Adjustable Delay Switch - Modular Unit	198.00
1923	HSS-8	8 Steps Adjustable Delay Switch - Modular Unit	393.00

Please state voltage when ordering; 12VDC or 24VDC

One Master Unit required, with appropriate number of Modular units to suit requires steps.

HOKKIM FLASHING, PULSE & DELAY TIMERS, NO VOLT, REMOTE CONTROL

STK#	MODEL	DESCRIPTION	LIST M\$
2100	TFS-1	Fixed Cycle Flasher	120.00
2102	TFS-2V	ON-OFF Variable Cycle Flasher	164.00
2111	TMK-F	ON-Pulse at Power OFF	87.00
2112	TMK-N	ON-Pulse at Power ON	87.00
2113	TMK-NF	ON-Pulse at Power ON & OFF	153.00
2120	TDF-C	Fixed Delay Off Timer Through Contacts	98.00
2121	TDF-V	Adjustable Delay Off Timer Through Contacts	111.00
2122	NFS-V	Adjustable Cycle Flasher	164.00
2123	NFS-VA	Adjustable Cycle Flasher c/w External Adjustment Pot.	187.00
2125	TRS-2	DC Relay Switch.	98.00
2126	NVR-1	No Volt Relay c/w 10 seconds Delay Off.	422.00
2127	NRC-3	Remote Control 3-Outputs Relay.	267.00

HOKKIM BATTERY CHARGERS & POWER SUPPLIES

STK#	MODEL	DESCRIPTION	LIST M\$
2201	SBC-1012	10A/12VDC Battery Charger (12V - 15V Adjustment)	864.00
2202	SBC-1024	10A/24VDC Battery Charger (24V - 30V Adjustment)	889.00
2221	SBC-1030	10A/30VDC Battery Charger (28V - 34V Adjustment)	889.00
2203	HBC3-12	3A/12VDC Battery Charger (12V - 15V Adjustment)	291.00
2204	HBC3-24	3A/24VDC Battery Charger (24V - 30V Adjustment)	347.00
2205	SBC-0612	6A/12VDC Battery Charger (12V - 15V Adjustment)	731.00
2206	SBC-0624	6A/24VDC Battery Charger (24V - 30V Adjustment)	747.00
2211	SBC-0630	6A/30VDC Battery Charger (28V - 34V Adjustment)	747.00
2207	SBC-1512	15A/12VDC Battery Charger (12V - 15V Adjustment)	1,298.00
2208	SBC-1524	15A/24VDC Battery Charger (24V - 30V Adjustment)	1,333.00
2209	SBC-2024	20A/24VDC Battery Charger (24V - 30V Adjustment)	1,731.00
2210	SBC-3024	30A/24VDC Battery Charger (24V - 30V Adjustment)	2,598.00
2215	SBC-4024	40A/24VDC Battery Charger (48V - 60V Adjustment)	3,462.00
2220	SBC-8048	80A/48VDC Battery Charger (48V - 60V Adjustment)	13,831.00

Please call to order for your specific requirements of charging current and voltage.

Replacement Parts

2225	HBC3-12	3A/12VDC Battery Charger Controller Card	100.00
2226	HBC3-24	3A/24VDC Battery Charger Controller Card	118.00
2227	SBC-0612	2 x 4,700uF 25V Capacitor Set	55.00
2228	SBC-0624	1 x 10,000uF 50V Capacitor Set	64.00
2229	SBC-1012	4 x 4,700uF 25V Capacitor Set	98.00
2230	SBC-1024	2 x 10,000uF 50V Capacitor Set	111.00
2231	SBC-1012	Controller Card	295.00

Wrong polarity connection to battery will cause the capacitors to bulge or explode.

HOKKIM LAMP TEST CONTROLS

STK#	MODEL	DESCRIPTION	LIST M\$
2240	NDC1-10	10 Way 1A Diodes for DC Lamp Test (common +ve)	72.00
2241	NNC1-10	10 Way 1A Diodes for DC Lamp Test (common -ve)	72.00
2242	N1A-5	5 nos. 1A 1000V Diodes	53.00
2243	NDC3-10	10-Way 3A Diodes for DC Lamp Test (common +ve)	128.00
2244	T1A-4	4 nos. 1A 1000V Diodes	40.00
2245	TDC1-7	7 Way 1A Diodes for DC Lamp Test (common +ve)	53.00
2246	TNC1-7	7 Way 1A Diodes for DC Lamp Test (common -ve)	53.00
2247	DA8	8 nos 1A 1000V Diodes.	58.00
2248	DA15P	15 Way 1A Diodes for DC Lamp Test (common +ve)	109.00
2249	NLT-T	9 Way AC240V Lamp Test Unit	189.00
2250	TDC1-5	5 Way 1A Diodes for DC Lamp Test (common +ve)	53.00

HOKKIM SPECIAL 8-PIN PLUG-IN RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
3011	TR-22L	2 Changeover Contacts (Low Voltage Release)	105.00
3012	TR-22D	2 Changeover Contacts (300mS Delay Release)	105.00
3013	TR-22FS	2 Changeover Contacts (1 Contact Fast, 1 Contact Slow)	105.00
3014	TR-RC	4 nos. Built In 16mA RC (Resistor Capacitor) Network	105.00

HOKKIM THERMISTOR PROBE RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
4098	DTR-A	PTC Thermistor Probe Relay (Adj. 2.3K Ω - 3.3K Ω)	405.00
4099	DTR-B	PTC Thermistor Probe Relay (Fixed 2.8K Ω)	328.00
4100	DTR-C	PTC Thermistor Probe Relay (Adj. 0.5K Ω - 1.5K Ω)	405.00
4101	DTR-D	PTC thermistor Probe Relay (Adj. 1.3K Ω - 2.3K Ω)	405.00
4102	DTR-E	PTC Thermistor Probe Relay (Adj. 2.5K Ω - 4.5K Ω)	405.00
4103	DTR-F	PTC Thermistor Probe Relay (Adj. 2.5K Ω - 6.5K Ω)	405.00
4107	DTN-A	NTC Thermistor Probe Relay (Adj. 0.2K Ω - 1.4K Ω)	405.00

HOKKIM AIRCRAFT WARNING LIGHT RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
4109	TAW-20L	20W Aircraft Warning Light Relay c/w Alarm Contact	187.00
4110	TAW-40L	40W Aircraft Warning Light Relay c/w Alarm Contact	187.00
4111	TAW-60L	60W Aircraft Warning Light Relay c/w Alarm Contact	187.00
4112	TAW-75L	75W Aircraft Warning Light Relay c/w Alarm Contact	187.00
4113	TAW-100L	100W Aircraft Warning Light Relay c/w Alarm Contact	187.00
4114	TLF-40	40W DC Lamp Failure Relay c/w Alarm Contact	187.00
4115	TLR-40	Lamp Failure Relay	187.00

Rated voltage 240VAC, state lamp wattage and voltage when ordering customize unit.

HOKKIM SURGE ARRESTOR RELAYS

STK#	MODEL	DESCRIPTION	LIST M\$
<i>Surge Protection For Control Equipments & Relays. Require 5A Control Fuses</i>			
6551	MOV-1PNE	Surge Arrestor Relay (1 Phase, Neutral & Earth)	89.00
6552	MOV-3PE	Surge Arrestor Relay (3 Phase & Earth)	111.00
6553	MOV-3PN	Surge Arrestor Relay (3 Phase & Neutral)	111.00
6554	MOV-3PNE	Surge Arrestor Relay (3 Phase, Neutral & Earth)	147.00

HOKKIM GENERAL CONTROL & PROTECTION RELAYS

STK#	MODEL	DESCRIPTION	LIST MS
4104	DMD-A	Moisture Detector Relay (Adjustable 10K Ω - 100K Ω)	405.00
4105	NPT-100	PT-100 Probe Relay for Submersible Pump (50°C - 100°C)	520.00
4106	NPT-150	PT-100 Probe Relay for Motor Winding (50°C - 150°C)	520.00
4108	DTC-1	Thermistor Probe Relay	328.00
4117	DRP-D	Reverse Power Relay (1Ph2W, 3Ph3W, 3Ph4W) (Recommended 1Ph2W. L-N 240VAC)	867.00
4123	DIPP	Integral Pump Protection Relay (Thermal, Moisture, PT-100.)	593.00
4124	DPR-N1	Phase Synchronizing Relay	925.00
4125	DPR-N2	Phase Synchronizing Relay with 2 Contacts	987.00
4128	TRD-1	Telephone Ring Detector	148.00
4129	TOH-1	Telephone Off-Hook Detector	148.00
4130	AVR-C	Automatic Voltage Regulator for Gen-Set (15A max)	620.00
4132	TPM-2	Twin Fault Relay Driver	278.00
4133	LDL-1CR	002A Controller Relay	233.00
4134	LDL-1PC	001A Remote Signal Relay	75.00
4135	DAV-S	Automatic Voltage Selector Relay	431.00
4136	DPP-U	Pilot Protection Unit	303.00
4137	TSR-R	Set Reset Relay (Memory Latch)	142.00
4138	HMC-1	DC Motor Speed Controller	444.00
4139	DPW-5	5 Way Proportional Solenoid Valve Controller	555.00
4140	PVC-1	Single Proportional Solenoid Valve Controller	420.00
4141	PVC-2	Double Proportional Solenoid Valve Controller	680.00
4142	TIS-2	Impact Sealer Relay (Plastic Bag Sealer)	187.00
4143	SSR-3A	3A Solid State Relay with Zero Crossing	187.00
4144	DPR-2	Proximity Sensor Pulse Relay	355.00
4145	KM6ENA	DC Rectifier for contactor coil	311.00
4146	TVS-2	Voltage Sensing Relay for welding set 12VDC	275.00
4147	TVS-3	Voltage Sensing Relay for induction motor 240VAC	275.00
4148	TTR-1	Toggle Relay through contacts.	167.00
4149	HRA-1	Run Alarm Relay for machine operation	189.00
4150	DSF-2P	2 Pole Safety Relay.	355.00
4151	DSF-4P	4 Pole Safety Relay	449.00
4155	DPR-L1	Phase Synchronizing Relay	925.00
4156	DC-HV	DC To High Voltage Generator	167.00
4157	TTC-1	Thermal Contact Relay	111.00
4200	91K20	Safety Relay	344.00
4220	DSL-E	Supply Rail Leakage to Earth Relay	745.00
4221	GLR-140	Single Brake Coil Relay	186.00
4222	GLR-260	Double Brake Coil Relay	360.00
4223	SD3A-3024	Buzzer Relay (Stepdown DC30V - DC24V) Max Current: 3A	136.00

HOKKIM PIC SERIES PROGRAMMABLE CONTROLLER

STK#	MODEL	DESCRIPTION	LIST M\$
55xx	PIC55 Series	Maximum 13 Inputs / Outputs	@111.00 / IO
52xx	PIC22 Series	Maximum 22 Inputs / Outputs	@111.00 / IO
53xx	PIC33 Series	Maximum 33 Inputs / Outputs	@111.00 / IO

Example 1 : Requirement is for 1 input, 4 outputs. Then the stock number is 5505 and the model is PIC55 0101. The price will be $111.00 \times 5 = \text{RM}555.00$

Example 2 : Requirement is for 5 inputs, 6 outputs. Then the stock number is 5511 and the model is PIC55 0506. The price will be $111.00 \times 11 = \text{RM}1,221.00$

Example 3 : Requirement is for 8 inputs, 12 outputs. Then the stock number is 5220 and the model is PIC22 0812. The price will be $111.00 \times 20 = \text{RM}2,220.00$

Example 4 : Requirement is for 14 inputs, 16 outputs. Then the stock number is 5330 and the model is PIC33 1416. The price will be $111.00 \times 30 = \text{RM}3,330.00$

Initially you have to let us know your requirements and we will prepare the specifications for your approval. Once you sign to approve the specifications, we will begin programming and each unique program will be assigned a new program number e.g. **P061**. Refer to our website hokkim.com for more programs.

Custom Designs: Please note that we are able to custom design control circuits or relays to suit your specific needs. Do not hesitate to contact us.