













OMRON



OMRON Limit Switch

General-purpose Limit Switch : Type D4D, D4N, D4E

					
	D4D-2101N	D4D-2102N	D4D-2103N	D4D-2107N	D4D-2002N
	574 -	658 -	698 -	1,290 -	922 -
	D4D-1101M	D4D-1102N	D4D-1103M	D4D-1107N	
	578 -	598 -	698 -	1,010	
					
D4N-1101	D4N-1102	D4N-2100	D4N-1162	D4N-2102	D4N-2124
578 -	598 -	758 -	658 -	662 -	1,290 -
D4N-2101	D4N-2103		D4N-2162		
674 -	658 -		658 -		
	D4N-2K02				
	922 -				
		D4E-1A20M			
		1,178 -			

Photoelectric Switch : E38

Model	Mounting	Detection	Mode	Distance	Supply	Output	Price	
E38-A711		Diffuse Reflective	Light-On Dark-On Selectable	7 cm	18-30 VDC	NPN	6,200,-	
E38-A721							7,500,-	
E38-A911		Retro-reflective		0.1-2 cm			PNP	5,500,-
E38-A921								6,000,-
E38-A931		Through-beam		20 m		NPN	5,500,-	
E38-A011							5,500,-	
E38-A021							5,500,-	
E38-A031							5,500,-	
E38-A041							5,500,-	
E38-A051							5,500,-	
E38-A791		Diffuse Reflective	Light-On Dark-On Selectable	7 cm	18-30 VDC	NPN	7,200,-	
E38-A991							Retro-reflective	0.1-2 cm
E38-A091		Through-beam		20 m			5,500,-	
E38-A211				5,500,-				
E38-A221				70 m			5,500,-	
E38-B711		Diffuse Reflective	Light-On Dark-On Selectable	3 m	18-30 VDC	NPN	6,300,-	
E38-B791							6,400,-	
E38-C791							30 m	6,500,-
E38-CK11		Retro-reflective	Light-On Dark-On Selectable	3 cm	18-30 VDC	NPN PNP Selectable	7,300,-	
E38-CL1		Through-beam		0.5-20 m			7,500,-	
E38-CL2							8,800,-	

OMRON Photo Sensor

Photoelectric Switch : E3R



E3R-DA	Diffuse	Light-On	5 mm	10-24 VDC	NPN	4,900 -
E3R-DB1	Retr. Reflective	Dark-On	0.5-2 mm			4,900 -
E3R-DB1	Concurrent	Retr. Reflective	50 mm			5,900 -

Photoelectric Sensor : E3F2




Model	Detection	Mode	Distance	Supply	Output	Price
E3F2-FC4	Diffuse	Light-On Dark-On	0.5-2 mm	10-24 VDC	NPN	3,200 -
E3F2-FC4					PNP	3,200 -
E3F2-FC4-P1	Retr. Reflective	Light-On Dark-On	7 mm		NPN	4,700 -
E3F2-DB1004-N					PNP	4,700 -
E3F2-DB1004-P1	Concurrent	Retr. Reflective	0.1 mm		NPN	3,900 -
E3F2-DB1084-N					PNP	3,900 -
E3F2-DB1084-P1					PNP	3,900 -
E3F2-DB1004					NPN	3,900 -

OMRON Photo Sensor

Optical Fiber Photoelectric Switch : E3E

	Model	Light	Mode	Fiber Optic	Supply	Output	Price
	E3E-A71	RED	Light-On	Teflon® Fiber Optic (α)	12-24 VDC	NPN	0,980 -
	E3E-A81						0,980 -
	E3E-DA11-B						0,980 -
	E3E-DA11-S						0,980 -
	E3E-DA11-N	BLUE	Selectable	0,480 -			
	E3E-DA11-S			0,980 -			
	E3E-AC04			RED	11,780 -		

Optical Fiber (Order Separately)

	Model	Method of detection	Distance	Price
	E3E-TC000	transmission 2 m 2V to 2V to	500/1000mm Amplifier	1,280 -
	E3E-T11L			2,840 -
	E3E-T13L			2,840 -
	E3E-DC00P	transmission 1 m		2,440 -
	E3E-DC00			1,800 -
	E3E-CC00			1,800 -
	E3E-D11L			2,780 -
	E3E-D11L			2,840 -
	E3E-D22L			2,840 -
	E3E-D04			0,380 -
	E3E-DC000			1,830 -
	E3E-D02			2,100 -
	E3E-D03			0,280 -
	E3E-D01			0,180 -
	E3E-D01			10,800 -

Accessories

E3E-F1 (Lens unit)	E3E-F1 (Reflector)
 <p>Ø12 Lens Ø6 ① Reflector Mount ② Screw (Mount) Mount ③</p>	
1,380 -	540 -





OMRON Temperature Controller

Digital Temperature Controller

ESAN 96 x 96 mm.	Model	Input Type	Supply	Output / Alarm	Price
	ESAN-CMP-500	K, J, T, E, L, U, N, R, S, B (-100~1,800°C)	100-240 VAC	Current / Alarm	10,400,-
	ESAN-CMTC-500			Voltage / Alarm	10,500,-
	ESAN-CRMT-500	PT 100 (-200~800°C)		Voltage / Alarm	10,500,-
	ESAN-FOMT-500	JPT1000 (-99.9~500°C)		Relay / Alarm	10,500,-
	ESAN-FORMT-500	K, J, T, E, L, U, N, R, S, B (-200~1,800°C)		Relay / Alarm	10,500,-
ESEN 48 x 96 mm.					
	ESEN-CMP-500	PT100 (-200~800°C)	100-240 VAC	Voltage / Alarm	11,000,-
	ESEN-FOMP-500	JPT1000 (-99.9~500°C)		Relay / Alarm	11,000,-
	ESEN-CMT-500	PT 100 (-200~800°C)		Voltage / Alarm	11,000,-
	ESEN-CRMT-500	JPT1000 (-99.9~500°C)		Voltage / Alarm	11,000,-
	ESEN-FOMT-500	K, J, T, E, L, U, N, R, S, B (-200~1,800°C)		Relay / Alarm	11,000,-
	ESEN-FORMT-500			Relay / Alarm	11,000,-
ESCN 48 x 48 mm.					
	ESCN-RMT-500	PT 100 (-200~800°C)	100-240 VAC	Relay / -	7,300,-
	ESCN-OMT-500	JPT 100 (-100.0~500°C)		Voltage / -	7,300,-
	ESCN-CMT-500	K, J, T, E, L, U, N, R, S, B (-200~1,800°C)		Current / -	11,000,-
	ESCN-FOMT-500			Relay / Alarm	7,600,-
	ESCN-CRMT-500			Voltage / Alarm	7,600,-
	ESCN-CMT-500			Current / Alarm	12,100,-
	ESCN-CMTC-500	K, J, T, E, L, U, N, R, S, B (-200~1,800°C)		Current / -	11,000,-
	ESCN-OMP-500	PT 100 (-200~800°C) JPT1000 (-99.9~500°C)		Voltage / -	7,700,-

DARON Temperature Controller

Digital Temperature Controller

ESDWT 90 x 90 mm.	ƒs	ans/ƒsƒsƒsƒsƒs	Supply	Output / Alarm	ƒsƒs
	ESDWT-CCK	K2DA 0-999°C	100-240 VAC	Voltage (2 Alarm)	5,400 -
	ESDWT-C2P	PT100 -50-400°C		Voltage (2 Alarm)	5,400 -
ESDWT 70 x 70 mm.					
	ESDWT-C1KJ	K2DA0-999°C JXC20-999°C	100-240 VAC	Voltage (1 Alarm)	5,700 -
	ESDWT-C1P	PT100 -50-400°C		Voltage (1 Alarm)	5,700 -
ESDWT 48 x 96 mm.					
	ESDWT-C1KJ	00-999°C J0-500°C	100-240 VAC	Voltage (1 Alarm)	5,700 -
	ESDWT-A2K	K2DA 0-999°C		Relay (2 Alarm)	5,100 -
	ESDWT-C0K	K2DA 0-999°C		Voltage (2 Alarm)	5,100 -
	ESDWT-A1P	K2DA 0-999°C		Relay (1 Alarm)	5,700 -
	ESDWT-A2P	PT100 -50-400°C		Relay (2 Alarm)	5,100 -
	ESDWT-C1P	PT100 -50-400°C		Voltage (1 Alarm)	5,700 -
	ESDWT-C2P	PT100 -50-400°C		Voltage (2 Alarm)	5,100 -
ESDWT 48 x 48 mm.					
	ESDWT-A1P	PT100 -50-400°C	100-240 VAC	Relay (1 Alarm)	4,800 -
	ESDWT-C2P	PT100 -50-400°C		Voltage (2 Alarm)	5,400 -

SynDrive 3G3LV series VV control



- ขนาดเล็กกะทัดรัด
- แรงดันไฟ 0.1 - 400 kW
- มีอุปกรณ์เสริมให้เลือก
(0-20 Hz, 0-30 Hz, 0-10 Hz)
- ขนาดไฟ 0.1 - 27 kW

SynDrive 3G3LV series vector control

เหมาะสำหรับงานที่ต้องการ
คุณสมบัติการควบคุมความเร็วรอบมอเตอร์
สูงและแม่นยำสูง มีคุณสมบัติการ
ป้องกันมอเตอร์ที่ผิดปกติ เช่น
Automatic vector control



SynDrive 3G3LV series vector control



- ขนาดเล็กกะทัดรัดและติดตั้งง่าย
- มีฟังก์ชันการป้องกันมอเตอร์
- มีฟังก์ชันการควบคุมความเร็วรอบ
มอเตอร์ 0-20 Hz, 0-30 Hz, 0-10 Hz
DC brake
- ขนาดไฟ 0.1 - 200 kW

SynDrive 3G3ML series sensorless vector control



- ขนาดเล็กกะทัดรัดและติดตั้งง่าย
คุณสมบัติการควบคุมความเร็วรอบมอเตอร์
สูงและแม่นยำสูง มีคุณสมบัติการ
ป้องกันมอเตอร์ที่ผิดปกติ เช่น
Auto-tuning, auto-tuning LED (standby)
with LED (standby)
- มีฟังก์ชันการควบคุมความเร็วรอบ
มอเตอร์ 0.1 - 75 Hz

- มีฟังก์ชันการควบคุมความเร็วรอบมอเตอร์
สูงและแม่นยำสูง มีคุณสมบัติการ
ป้องกันมอเตอร์ที่ผิดปกติ เช่น
Auto-tuning, auto-tuning LED (standby)
with LED (standby)
- ขนาดไฟ 0.1 - 100 kW 10 out-in
Braking transistor
- ขนาดไฟ 0.1 - 100 kW

SynDrive 3G3LV series true flux vector control



- ขนาดเล็กกะทัดรัดและติดตั้งง่าย
คุณสมบัติการควบคุมความเร็วรอบมอเตอร์
สูงและแม่นยำสูง มีคุณสมบัติการ
ป้องกันมอเตอร์ที่ผิดปกติ เช่น
Auto-tuning, auto-tuning LED (standby)
with LED (standby)
- ขนาดไฟ 0.1 - 200 kW

OPTIONS ACCORDING TO APPLICATION

Option	0.1-0.75	0.75-2.2	2.2-7.5	7.5-15	15-30	30-100
Motor Output (kW)	0.1-0.75	0.75-2.2	2.2-7.5	7.5-15	15-30	30-100
0.1-0.75	0.1-0.75	0.75-2.2	2.2-7.5	7.5-15	15-30	30-100
0.75-2.2	0.75-2.2	0.75-2.2	2.2-7.5	7.5-15	15-30	30-100
2.2-7.5	2.2-7.5	2.2-7.5	2.2-7.5	7.5-15	15-30	30-100
7.5-15	7.5-15	7.5-15	7.5-15	7.5-15	15-30	30-100
15-30	15-30	15-30	15-30	15-30	15-30	30-100
30-100	30-100	30-100	30-100	30-100	30-100	30-100
100-200	100-200	100-200	100-200	100-200	100-200	100-200
200-400	200-400	200-400	200-400	200-400	200-400	200-400
400-600	400-600	400-600	400-600	400-600	400-600	400-600
600-1000	600-1000	600-1000	600-1000	600-1000	600-1000	600-1000
1000-1500	1000-1500	1000-1500	1000-1500	1000-1500	1000-1500	1000-1500
1500-2000	1500-2000	1500-2000	1500-2000	1500-2000	1500-2000	1500-2000
2000-3000	2000-3000	2000-3000	2000-3000	2000-3000	2000-3000	2000-3000
3000-4000	3000-4000	3000-4000	3000-4000	3000-4000	3000-4000	3000-4000
4000-5000	4000-5000	4000-5000	4000-5000	4000-5000	4000-5000	4000-5000
5000-6000	5000-6000	5000-6000	5000-6000	5000-6000	5000-6000	5000-6000
6000-7000	6000-7000	6000-7000	6000-7000	6000-7000	6000-7000	6000-7000
7000-8000	7000-8000	7000-8000	7000-8000	7000-8000	7000-8000	7000-8000
8000-9000	8000-9000	8000-9000	8000-9000	8000-9000	8000-9000	8000-9000
9000-10000	9000-10000	9000-10000	9000-10000	9000-10000	9000-10000	9000-10000
10000-15000	10000-15000	10000-15000	10000-15000	10000-15000	10000-15000	10000-15000
15000-20000	15000-20000	15000-20000	15000-20000	15000-20000	15000-20000	15000-20000
20000-30000	20000-30000	20000-30000	20000-30000	20000-30000	20000-30000	20000-30000
30000-40000	30000-40000	30000-40000	30000-40000	30000-40000	30000-40000	30000-40000
40000-50000	40000-50000	40000-50000	40000-50000	40000-50000	40000-50000	40000-50000
50000-60000	50000-60000	50000-60000	50000-60000	50000-60000	50000-60000	50000-60000
60000-70000	60000-70000	60000-70000	60000-70000	60000-70000	60000-70000	60000-70000
70000-80000	70000-80000	70000-80000	70000-80000	70000-80000	70000-80000	70000-80000
80000-90000	80000-90000	80000-90000	80000-90000	80000-90000	80000-90000	80000-90000
90000-100000	90000-100000	90000-100000	90000-100000	90000-100000	90000-100000	90000-100000

System Configuration



OMRON Proximity Switch

Inductive proximity Switch : E2F



Model	Type	Size	Sensing distance	Supply	Output	Price
E2F-E2E1	Ind	M 12	3 ss.	12-24 VDC DC 3 0mA	NPN NO	3,660 -
E2F-E2E1		M 18	5 ss.		NPN NO	3,660 -
E2F-E2E2		M 30	10 ss.		NPN NO	3,660 -
E2F-E2E1		M 12	3 ss.	24-240 VAC AC 3 0mA	NO	5,020 -
E2F-E2E1		M 18	5 ss.		NO	5,020 -
E2F-E2E1		M 30	10 ss.		NO	4,720 -

Capacitive proximity Switch : E2K-C



E2K-C




E2K-X

E2K-F

Model	Type	Size	Sensing distance	Supply	Output	Price	
E2K-C25M1	Cap	φ 24 ss.	3 -25 ss. (cylinder)	12-24 VDC 3 0mA	NPN NO	6,120 -	
E2K-C25M1				PLP NO	6,120 -		
E2K-C25M1				NO	7,140 -		
E2K-04M1		Ind	M 12	4 ss.	12-24 VDC 3 0mA	NPN NO	3,780 -
E2K-08M1			M 18	8 ss.	3 0mA	NPN NO	3,740 -
E2K-11 25M1			M 30	15 ss.	100-220 VAC 3 0mA	NPN NO	4,620 -
E2K-14M1			M 12	4 ss.		NO	6,060 -
E2K-16M1			M 18	8 ss.		NO	6,060 -
E2K-F10M1			-	-	10 ss.	12-24 VDC 3 0mA	NPN NO

OMRON Proximity Switch

Inductive proximity Switch : TL

TL-N	Model	Distance	Supply	Output	Price
	TL-40ME1	8 mm	12-24 VDC	NPN NO	2,800 -
	TL-40ME2			NPN NC	2,800 -
	TL-40ME1	10 mm	3-5V	NPN NO	2,800 -
	TL-40ME2			NPN NC	2,800 -
	TL-40ME1	20 mm		NPN NO	4,800 -
	TL-40ME2			NPN NC	4,800 -
	TL-40MD1	7 mm	12-24 VDC	NO	2,800 -
	TL-40MD1	12 mm	3-5V	NO	3,200 -
	TL-40MY1	8 mm	100-230 VAC	NO	4,240 -
	TL-40MY2			NO	4,240 -
	TL-40MPY1	10 mm	3-5V	NO	5,200 -
	TL-40MPY1	20 mm		NO	7,240 -
TL-40MPY2			NO	7,240 -	
TL-W					
	TL-W10MAC1	1.5 mm	12-24 VDC	NPN NO	2,200 -
	TL-W1MC1	3 mm		NPN NO	1,800 -
	TL-W1MAC1	5 mm	3-5V	NPN NO	1,800 -
	TL-W1M1			NPN NO	2,200 -
	TL-W1F1			PNP NO	2,240 -
TL-Q					
	TL-Q1MC1	8 mm	12-24 VDC	NPN NO	1,080 -
	TL-Q1MC2			NPN NC	1,080 -
	TL-Q1MC1		12-24 VDC	NO	1,704 -

OMRON Proximity Switch


Inductive proximity Switch : E2E



Model	Type	Size	Sensing distance	Supply	Output	Price
E2E-C1C1	E2E	4 dia.	0.8 mm	16-24 VDC DC 3-4mA	NPN NO	2,020,-
E2E-C1C2					NPN NC	2,020,-
E2E-C1M1					PNP NO	2,020,-
E2E-X1C1					NPN NO	2,020,-
E2E-X1C2					NPN NC	2,020,-
E2E-X1M1					PNP NO	2,020,-
E2E-C1C1		5.4 dia.	1 mm		NPN NO	2,040,-
E2E-C1M1					PNP NO	2,040,-
E2E-X1M5E1					NPN NO	2,500,-
E2E-X1M5E2					NPN NO	2,500,-
E2E-X1M5F1					PNP NO	2,500,-
E2E-X1M5F2					PNP NC	2,500,-
E2E-K2E1		M 12	2 mm		NPN NO	2,720,-
E2E-K2E2					NPN NC	2,720,-
E2E-K2F1					PNP NO	2,720,-
E2E-K2E1					NPN NO	2,460,-
E2E-K2E2					NPN NC	2,460,-
E2E-K2F1					PNP NO	2,460,-
E2E-X1M2	M 30	10 mm	NPN NO	2,720,-		
E2E-X1M2			NPN NC	2,720,-		
E2E-X1M1			PNP NO	2,820,-		
E2E-X2M1			NPN NO	1,830,-		
E2E-X2M1			PNP NO	1,830,-		
E2E-X3M1			NPN NO	2,120,-		
E2E-X3M2	NPN NC	2,120,-				
E2E-X3M1	PNP NO	2,120,-				
E2E-X1M4E1	E2E	M 18	10 mm	NPN NO	2,460,-	
E2E-X1M4F1				PNP NO	2,460,-	

GMRON Switching power Supply

Switching Power Supply : SPSV

SPSV	Model	Power	Output	Input Voltage	Price
	SPSV-0101C	15 W	12 VDC / 1.25 A	100-240 VAC	3,040 -
	SPSV-0201C	30 W	12 VDC / 2.5 A	100-240 VAC	4,380 -
	SPSV-0102K	15 W	24 VDC / 0.625 A	100-240 VAC	3,040 -
	SPSV-0202K	30 W	24 VDC / 1.25 A	100-240 VAC	4,380 -
	SPSV-0302K	60 W	24 VDC / 2.5 A	100-240 VAC	5,440 -
	SPSV-0502K	90 W	24 VDC / 3.75 A	100-240 VAC	8,060 -
	SPSV-1202K	120 W	24 VDC / 5 A	100-240 VAC	9,700 -
	SPSV-1802K	180 W	24 VDC / 7.5 A	100-240 VAC	13,840 -
	SPSV-2402K	240 W	24 VDC / 10 A	100-240 VAC	17,440 -

Specification : Overvoltage protection

- Overload protection
- Voltage adjustment range :10% to 10%
- Compact size, DIN Track Mounting

Switching Power Supply : SBLX Compact Power Supply











RoHS CE











Model	Power	Output	Mounting	Input Voltage	Price
SBLX-03024C	30 W	24 VDC / 1.8 A	Front Mounting	100-240 VAC	1,840 -
SBLX-03024CD			DIN-Rail		1,840 -
SBLX-05012C	50 W	12 VDC / 4.2 A	Front Mounting		1,890 -
SBLX-05024C		24 VDC / 2.1 A	Front Mounting		1,760 -
SBLX-05024CD			DIN-Rail		1,760 -
SBLX-10024C	100 W	24 VDC / 4.2 A	Front Mounting		2,720 -
SBLX-10024CD			DIN-Rail		2,720 -
SBLX-15024C	150 W	24 VDC / 6.5 A	Front Mounting		3,360 -
SBLX-15024CD			DIN-Rail		3,360 -

OMRON Limit Switch

Enclosed Switch : Type D4MC

D4MC-5000	D4MC-5000	D4MC-5040	D4MC-5000
			
528 -	531 -	176 -	481 -
D4MC-1000	D4MC-2000	D4MC-2020	D4MC-2030
			
458 -	578 -	578 -	654 -

Enclosed Switch : Type ZE

ZE-G-2	ZE-G21-2	ZE-G22-2	ZE-G43-2	ZE-G42T-2
				
1,262 -	966 -	966 -	1,100 -	1,680 -
ZE-H-2	ZE-H21-2	ZE-H22-2	ZE-H43-2	ZE-H42T-2
				
870 -	1,044 -	1,470 -	1,230 -	1,680 -

OMRON General-purpose Relay




General-purpose Relay

	Model	Socket	Detail	Contact	Supply	Price
	MYA-60Z	PF113A-E		4PDT x 2 3A	12, 24, 50V/110, 110/125, 200/230 220/240 VAC	1,870,-
	MM2P	SPFA		DPDT 7.5A	6, 12, 24-48 100/110 VDC	1,074,-
	MM2P	110FA		SPDT 7.5A		1,644,-
	MK2P-I	PF083A-E	Mechanical Indicator	DPDT15A	6, 12, 24-110, 110/125 AC	264,-
	MK2P-I	PF113A-E		SPDT 15A	6, 12, 24-48, 100/110 DC	304,-
	MK2P-II	PF083A-E		DPDT 15A	110/125 AC 12, 24 DC	372,-
	MK2P-II	PF113A-E		SPDT 15A	110/125 AC (2-2)	528,-
	MK2P-II	PF113A-E		SPDT 15A	24, 110, 220 AC 12, 24, 48, 110 DC	328,-
	G3A-400A	PYF14A		4PDT 1A	110/125 AC 24 VDC	854,-
	G3A-400A-D	PYF14A		4PDT 1A	24VDC	808,-
	G3A-400A-H			110/125 VAC 24VDC	892,-	
	MK2L	PYF14A-E	Latching Relay On/Off, Reset	DPDT 3A	24, 110 VAC	1,664,-
					12, 24 VDC	858,-
	MK2OP	PF113A-E		DPDT 3A	110, 125 AC 12, 24, 48, 110 125 VDC	1,300,-
	G4Q-312S	SPFA-1	Mechanical Lock	DPDT 5A	24, 110 220 VAC 24 VDC	2,140,-

OMRON Socket

Socket					
					
100 -	240 -	176 -	144 -	200 -	260 -
					
84 -	216 -	100 -	100 -	100 -	200 -
					
270 -	48 -	56 -	80 -	94 -	284 -
					
240 -	74 -	80 -	80 -	240 -	290 -
					
276 -	268 -	144 -	240 -	176 -	
					
176 -	272 -				

Solid-state Timer / Power On Delay

HTY	Model	Time range	Supply	Socket	Output	Price
	HTY-1	1.5, 10 s 30.00 s	12 VDC 24 VDC	PFY05A-E	DPDT 250 VAC 5A	1,200 -
	HTY-1	2.5, 10 m 30.00 m	110 VAC 220 VAC	PYP15A-E	4PDT 250 VAC 5A	1,400 -
H3G-8C						
	H3G-8C	1.5, 5, 10 s 30.00 s 2.5, 10 m 30.00 m 3 h	110 VAC 220 VAC	PF05DA-E	DPDT 250 VAC 5A	1,000 -
H3LA						
	H3LA-8C	1.5, 5, 10, 30, 60 s 0.5, 10, 30, 60 m 3 h	24 VDC 200-240 VAC	PF05DA-E	DPDT 250 VAC 5A	770 -
	H3LA-8B				SPDT 250 VAC 5A	642 -
H3M						
	H3M	A: 0.5, 5 s B: 1, 10s, 10 m C: 1, 50 s, 3, 30 m D: 1, 10 m, 1, 10 h E: 1, 50 m, 3, 30 h	24 VDC 110 VAC 220 VAC	PF05DA	DPDT 250 VAC 5A	2,180 -

CJ Series

Compact Machine Controllers

A CJ-series PLC is about the height of a business card



Note 1: Connectors are not provided with these connector models. Either purchase one of the following 40-pin Connectors, or use an OMRON 40-Pin Connector-Terminal Block Conversion Unit or a 40-Pin Relay Terminal.

2: Connectors are not provided with these connector models. Either purchase one of the following 28-pin or 34-pin Connectors, or use an OMRON 28-Pin Connector-Terminal Block Conversion Unit or a 28-Pin Relay Terminal.

CPU Specifications






Model	DC Input	Output	Relay capacity	AC Inverter (Output Capacity)
CJ1M-CPU01	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU02	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU03	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU04	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU05	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU06	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU07	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU08	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU09	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W
CJ1M-CPU10	120Vdc up to 3 Expansion-Modules	120 points	240 points (24, 24, 24, 24, 24)	600 W

I/O Units

Name	Model	Specifications
Power Supply Units	CJ1M-PS01	100V AC, 100 W, 100 mA output, output capacity 60, 2, 100
	CJ1M-PS02	100V AC, 100 W, 100 mA output, output capacity 60, 2, 100
Memory Cards	CJ1M-M001	24 Kbit, Output capacity 64, 128K
	CJ1M-M002	Flash memory, 128K
	CJ1M-M003	Flash memory, 128K
Application Connector	CJ1M-ACC1	50-Pin Data Connector (Terminal Block Connector)
Connector Terminal Block connector	CJ1M-TB01	Special Connecting Cable
DI Input Units	CJ1M-DI01	24 I/O, 12V, 10 inputs, terminal block
	CJ1M-DI02	24 I/O, 24 V, 10 inputs, 10% overload
	CJ1M-DI03	24 I/O, 24 V, 10 inputs, 10% overload
	CJ1M-DI04	24 I/O, 24 V, 10 inputs, 10% overload
	CJ1M-DI05	24 I/O, 24 V, 10 inputs, 10% overload
AO Input Units	CJ1M-AO01	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-AO02	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-AO03	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Transducer Output Units	CJ1M-TO01	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TO02	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Transducer Input Units	CJ1M-TI01	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TI02	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TI03	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TI04	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Timer Output Units	CJ1M-TO01	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TO02	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Timer Input Units	CJ1M-TI01	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-TI02	24-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Analog Output Units	CJ1M-AO01	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-AO02	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Analog Input Units	CJ1M-AI01	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-AI02	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Analog I/O Units	CJ1M-AIO1	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
	CJ1M-AIO2	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Temperature Control Units	CJ1M-TC01	20-bit, 100 mV, 10-bit, 100 mV, 10-bit, 100 mV, terminal block
Serial Communications Units	CJ1M-SC01	100 mV, 100 mV, 100 mV, 100 mV, 100 mV, terminal block
Extension Unit	CJ1M-EXT01	100 mV, 100 mV, 100 mV, 100 mV, 100 mV, terminal block

OHREN Photo Sensor

Photoelectric Sensor / E3C

	Model	Detection	Distance	Amplifiers	Price
	E3C-1	E3V1a-Fluo	1.0m	Inversely Amplifiers (to E3C- Tandem 10)	3,900,-
	E3C-2		2.0m		4,700,-
	E3C-B10		10.0m		2,900,-
	E3C-B50		50.0m		3,000,-
	E3C-1010		E3V1a-Fluo		1.0m
	E3C-1020	2.0m		4,000,-	

Subminiature Photoelectric Sensor / E3T

	Model	Detection	Distance	Output	Price
	E3T-ST10	Light-On	1 m.	NPN	4,900,-
	E3T-ST12	Dark-On	1 m.	NPN	4,900,-
	E3T-PT10	Light-On	500 mm.	NPN	4,900,-

Temperature Controller

Temperature Controller					
ESC2 48 x 48 mm	Model	Input Type	Supply	Output / Alarm	Price
	ESC2-R20K R-20 Control	K (CA) 0-200°C / 0-400°C	230/240 VAC	Relay / -	8,100,-
	ESC2-R40K R-40 Control	K (CA) 0-400°C			
ES6W 72 x 72 mm					
	ES6W-D1KJ	K (CA) 0-200°C	100-240 VAC	Voltage / Alarm	10,000,-
		J (CA) 0-500°C			
ES6S 72 x 72 mm					
	ES6S-R1P	PT100 -50-500°C	100-240 VAC	Relay / Alarm	11,000,-
ESC3 48 x 48 mm					
	ESC3-R0	Thermistor -50-500°C	100-240 VAC	Relay / -	8,800,-
ESC4 48 x 48 mm					
	ESC4-R2H0	1000-200000°C 2000-100000°C	100-240 VAC	Relay / Alarm	14,000,-
	ESC4-D	5000-100000°C 5-500000°C		Voltage / -	13,400,-
	ESC4-C0B	10000-100000°C 10000-100000°C		Current / Alarm	17,000,-
ESCX 48 x 48 mm					
	ESCX-CP	PL/P1100	100-240 VAC	Current	19,700,-
	ESCX-CP	-500 - 400°C		Relay	17,200,-
	ESCX-R1C	100000-100000°C 100000-100000°C 100000-100000°C 100000-100000°C	Relay	15,800,-	

An impressive lineup of Digital Amplifiers to handle a wide variety of applications.

The Digital Amplifiers achieve a maximum response time of 45 μ s.

Standard Models

Models with Cables

(Representative model: E3X-DA11-S)

Models with Connectors

Equipped with OMRON's own easy-wiring connectors.

(Representative model: E3X-DA8-S)

Advanced Models

Two-output Models

Two threshold values can be set. Judgment and self-diagnosis outputs available.

(Representative model: E3X-DA87W-S)

External-input Models

The sensor can be controlled externally. Equipped with counting function.

(Representative model: E3X-DA88W-S)

A wide variety of color variations available. Equipped with APC circuit for more stable detection.

Mark-detecting Models and Infrared Models

Model with Green LED

(Representative model: E3X-DA24-S)

Model with Blue LED

(Representative model: E3X-DA24-E)

Infrared Models Available soon

(Representative model: E3X-DA24-S)

NEW

Two Amplifiers squeezed into a single, compact Unit AND/OR output available.

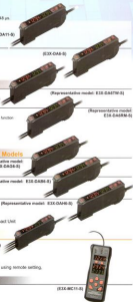
2-channel Models

(Representative model: E3X-DA24)

Maximize Fiber Amplifier potential using remote setting, copying, and other functionality.

Mobile Console

(E3X-RC11-S)



Easy Software For Create Ladder Diagram

Series	Model Number	Specifications
Expansion I/O Unit	CPM1A-001	4 DC inputs
	CPM1A-002	4 relay outputs
	CPM1A-003	4 extension outputs (sinking)
	CPM1A-004	4 extension outputs (sourcing)
	CPM1A-005	12 DC inputs, 4 relay outputs
	CPM1A-006	12 DC inputs, 4 extension outputs (sinking)
	CPM1A-007	12 DC inputs, 4 extension outputs (sourcing)
Special I/O Unit	CPM1A-008	16 inputs, 16 outputs
Expansion I/O Unit	CPM1A-009	4 inputs, 8 output
Analog I/O Unit	CPM1A-010	7 analog inputs (resolution: 8,000), 1 analog output (resolution: 8,000)
	CPM1A-011	7 analog inputs (resolution: 255), 1 analog output (resolution: 255)
Temperature Sensor Unit	CPM1A-012	2 thermocouple inputs
	CPM1A-013	2 thermocouple inputs
	CPM1A-014	2 platinum resistance thermocouple inputs
	CPM1A-015	2 platinum resistance thermocouple inputs



Create Ladder Diagram
Special Download Program

Connection Group for Expansion Unit

Group 1 (001)	Group 2 (002)
Expansion I/O Unit Analog I/O Unit Complementary I/O Unit Unit Specialized I/O Unit Unit CPM1A-008 Unit	CPM1A-010 Unit

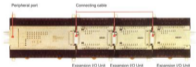
In addition to the CPU Unit, Expansion Units from the groups indicated in the above table can be combined to show below.

Possible Expansion Unit Combinations

Expansion Unit 1	Expansion Unit 2	Expansion Unit 3
001	001	001
001	002	...

- Note:**
- Expansion Units 1, 2, and 3 can be mounted in any order.
 - Only one Expansion Unit can be mounted through RS-232C to communicate to the RS-232C port.

Remark: For CPM1A, CPU 20-60 and 40-60 can expansion only.



Serial Devices Connect Easily to the Built-in RS-232C Port

The built-in RS-232C port simplifies connections to serial devices and enables faster startup and program debugging from Programming Devices.



OMRON



realizing

FA Integrated Tool Package

CX-One

CXONE-AL □□ C-E

New Support Software has been added to greatly upgrade **CX-One**



CX-One Configuration

- 1 Network Software** CX-Designer
CX-Viewer
- 2 PLC Software** CX-Designer
CX-Viewer
CX-Editor
CX-Tester
- 3 HMI Software** CX-Designer
CX-Viewer
CX-Editor
CX-Tester

- 4 Motor Controller Software** CX-Designer
CX-Viewer
CX-Editor
CX-Tester
- 5 PLC-based Process Control Software** CX-Designer
CX-Viewer
CX-Editor
CX-Tester
- 6 Component Software** CX-Viewer

OMRON Basic Switch

Subminiature Basic Switch : Type SS / S

	Model	Actuator (g)	Load Current (A)	Detail	Price
	SS-S	100 g	0.4	Solder Terminal	34 -
	SS-00L	50 g	0.4	Solder Terminal	30 -
	SS-00L-F	10 g	0.4	Solder Terminal	30 -
	SS-00L-T	50 g	0.4	Quick Connect	30 -
	SS-00L2	50 g	0.4	Solder Terminal	30 -
	SS-00L2-F	10 g	0.4	Solder Terminal	40 -
	SS-00L13	50 g	0.4	Solder Terminal	30 -
	SS-00L13-F	10 g	0.4	Solder Terminal	30 -

Miniature Basic Switch : Type V

	Model	Detail	Price
	V-15-180	SPDT 15A Solder/Quick Connect	60 -
	V-15-185	SPDT 15A Solder Terminal (D.F. 200 g)	66 -
	V-15-186	SPDT 15A Solder Terminal (D.F. 400 g)	66 -
	V-15-182-T	SPDT 15A Heat Resistance	76 -
	V-15-1C20	SPDT 15A Quick Connect	66 -
	V-15-183	SPDT 15A Solder Terminal	66 -
	V-151-180	SPDT 15A Solder/Quick Connect	72 -
	V-152-180	SPDT 15A Solder/Quick Connect	72 -

OMRON Basic Switch

Subminiature Basic Switch - Type Z

	Model	Detail	Price
	Z-150-B	Screw Terminal, Standard	236 .-
	Z-150SB-B	Screw Terminal, Drip Proof	326 .-
	Z-160-B	Screw Terminal, Standard	264 .-
	Z-190-B	Screw Terminal, Standard	276 .-
	Z-190L-B	Screw Terminal, High Sensitivity	308 .-
	Z-190SB-B	Screw Terminal, Drip Proof	430 .-
	Z-190SAB-B0V	Screw Terminal, Drip Proof + Terminal Cover	546 .-
	Z-190L-B	Screw Terminal, Standard	260 .-
	Z-190LB-B	Screw Terminal, Drip Proof	366 .-
	Z-190L2-B	Screw Terminal, Standard	280 .-
	Z-190L2SB-B0V	Screw Terminal, Drip Proof + Terminal Cover	564 .-
	Z-190Q-B	Screw Terminal, Standard, Medium O.P.	342 .-
	Z-190Q2-B	Screw Terminal, Standard, Low O.P.	360 .-
	Z-190QS-B	Screw Terminal, Drip Proof, Medium O.P.	506 .-
	Z-190QS2-B0V	Screw Terminal, Drip Proof + Terminal Cover, Medium O.P.	624 .-
	Z-190Q2-B	Screw Terminal, Standard, High O.P.	432 .-
	Z-190C2-B	Screw Terminal, Standard	424 .-
	Z-190C2L-B	Screw Terminal, High Sensitivity	630 .-
	Z-190C2SB-B	Screw Terminal, Drip Proof	802 .-
	Z-190C2SAB-B0V	Screw Terminal, Drip Proof + Terminal Cover	912 .-

Subminiature Basic Switch - Type Z -

	Model	Detail	Price
	Z-150A04-B	Screw Terminal, Standard	305 -
	Z-150A02T1-B	Screw Terminal, Standard	348 -
	Z-150A02T155-B	Screw Terminal, Drip Proof	556 -
	Z-150A02T155-50V	Screw Terminal, Drip Proof + Terminal Cover	700 -
	Z-150M-B	Screw Terminal, Standard, Reverse Operating	299 -
	Z-150M55-B	Screw Terminal, Drip Proof, Reverse Operating	354 -
	Z-150M2-B	Screw Terminal, Standard, Reverse Operating	338 -
	Z-150M255-B	Screw Terminal, Drip Proof, Reverse Operating	422 -
	Z-150M2-B	Screw Terminal, Standard, Reverse Operating	398 -
	Z-150M255-B	Screw Terminal, Drip Proof, Reverse Operating	422 -
	Z-150W4-B	Screw Terminal, Standard, Low D.P.	282 -
	Z-150A03T1-B	Screw Terminal, Standard	379 -
	Z-150A0355-B	Screw Terminal, Standard	478 -
	Z-150A035-B	Screw Terminal, Standard	388 -






OMRON Limit Switch

Limit Switch : WL

	Model	Total travel	Detail	Description	Price	
	WLCA2	အလျဉ်း 45°		အမှတ်အသားများ ဝါယာကွပ်ကွေး မာရောဂါကွပ်ကွေး	1,480 -	
	WLCA2-3	အလျဉ်း 90°			1,780 -	
	WLCA2-3LD	အလျဉ်း 90°	LED 10-110 VAC/DC		2,080 -	
	WLCA2-LD	အလျဉ်း 45°	LED 10-110 VAC/DC		2,780 -	
	WLCA2-LDR	အလျဉ်း 45°	Dry Peak LED		2,080 -	
	WLCA2-LE	အလျဉ်း 45°	Neon Lamp 120-250 VAC		2,080 -	
	WLCA2-LE	အလျဉ်း 90°	Neon Lamp 120-250 VAC		2,080 -	
	WLCA2-TH	အလျဉ်း 45°	Heat Resistant		2,640 -	
	WLCA2-TH	အလျဉ်း 90°			2,700 -	
	WLCA2-2N	အလျဉ်း 90°			အိတ်ကွပ်ကွေး ကွပ်ကွေး	1,780 -
	WLCA2-2MLD	အလျဉ်း 90°	LED 10-110 VAC/DC		2,640 -	
	WLCA2-2MLE	အလျဉ်း 90°	Neon Lamp 120-250 VAC		2,080 -	
	WLCA2-25TH	အလျဉ်း 90°	Heat Resistant		2,700 -	
	WLCA2-55	အလျဉ်း 45°	Hermetically Sealed	2,620 -		
WLCA2-55LD	အလျဉ်း 45°	Hermetically Sealed LED	3,180 -			
	WLCA3-F	900		Head mounts in any of 4 directions အမှတ်အသားများ ဝါယာကွပ်ကွေး M & 3ဖက်	1,880 -	
	WLCA12	အလျဉ်း 45°		အမှတ်အသားများ ဝါယာကွပ်ကွေး မာရောဂါကွပ်ကွေး	1,920 -	
	WLCA12-LD	အလျဉ်း 45°	LED 10-110 VAC/DC		2,200 -	
	WLCA12-LE	အလျဉ်း 45°	Neon Lamp 120-250 VAC		2,000 -	
	WLCA12-3	အလျဉ်း 90°			1,980 -	
	WLCA12-2N	အလျဉ်း 90°			1,750 -	
	WLCA12-2MLD	အလျဉ်း 90°	LED 10-110 VAC/DC		2,200 -	
	WLCA12-2MLE	အလျဉ်း 90°	Neon Lamp 120-250 VAC		2,000 -	
	WLCA12-25TH	အလျဉ်း 90°	Heat Resistant		2,250 -	
	WLH12	အလျဉ်း 90°	High Sensitivity		2,000 -	
	WLH12	အလျဉ်း 90°		2,080 -		
WLCLA-2				2,740 -		

OMRON Limit Switch

Limit Switch : WL

	Model	Description	Price
	WLJ	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុ	1,170 -
	WLDC	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុ	1,300 -
	WLDC-LD	Indicator LED 10-120 VAC/DC	3,000 -
	WLDC-LE	Indicator Neon Lamp 100-250 VAC	2,120 -
	WLD	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុ	1,700 -
	WLSJ	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុប្រភេទ ធាតុ ធាតុ	1,100 -
	WLSJ-LD	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុប្រភេទ ធាតុ ធាតុ LED	2,200 -
	WLSJ-LE	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុប្រភេទ ធាតុ ធាតុ Neon Lamp	2,200 -
	WLSJ-01	វិញ្ញាបនសញ្ញាប្រភេទ ធាតុប្រភេទ ធាតុ	2,100 -
	WLSJ-02	ធាតុ	1,300 -



CPU UNIT

MODEL	I/O Size	Program capacity	Data memory capacity	LS instruction processing speed
CS1H-CPU67H	3,120 bits (Up to 7 Expansion Packs)	280K steps	688K words	0.02 μ s
CS1H-CPU68H		120K steps	238K words	
CS1H-CPU69H		60K steps	120K words	
CS1H-CPU60H		30K steps	60K words	
CS1H-CPU61H		30K steps	60K words	
CS1G-CPU44H	1,280 bits (Up to 3 Expansion Packs)	30K steps	128K words	0.04 μ s
CS1G-CPU45H	960 bits (Up to 2 Expansion Packs)	30K steps	64K words	
CS1G-CPU46H		30K steps	32K words	

I/O UNIT

Name	Model(s)	Specifications
CPU Backplanes (for CS1 units only)	CS1H-BC000	3 slots
	CS1H-BC002	3 slots
	CS1H-BC100	30 slots
Power Supply	C200HW-PD004	200W or 100 WAC, Output capacity: 4.5A, 120V
	C200HW-PD005	200W or 100 WAC, 24V output, 20A, 24V output power capacity
	C200HW-PD006	200W or 100 WAC, 24V output, 20A, 24V output power capacity
DC Input Units	C200HW-PD004	200W or 100 WAC, 24V output, 20A, 24V output power capacity
	C200HW-PD005	200W or 100 WAC, 24V output, 20A, 24V output power capacity
	C200HW-PD006	200W or 100 WAC, 24V output, 20A, 24V output power capacity
	C200HW-PD007	200W or 100 WAC, 24V output, 20A, 24V output power capacity
AC Input Units	CS1W-4201	24 VAC, 16 input, 10A
	CS1W-4202	24 VAC, 16 input, 50A
	CS1W-4203	24 VAC, 16 input, 50A
Relay DC Output Unit	CS1W-0D011	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D012	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D013	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
Transistor Output Units	CS1W-0D011	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D012	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D013	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
Relay Output Unit	CS1W-0D011	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D012	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
	CS1W-0D013	24 VDC/0.2A, 16 outputs, 100ms ON delay, 100ms OFF delay
Analog Input Unit	CS1W-AD001	4 inputs, 1 to 0V or 5V, 10-bit, 100ms settling time
	CS1W-AD001-V1	4 inputs, 1 to 0V or 5V, 10-bit, 100ms settling time
Analog Output Unit	CS1W-0A00V	4 outputs, 0 to 5V, 0 to 10V, 10-bit, 100ms settling time
	CS1W-0A00A	4 outputs, 0 to 5V, 0 to 10V, 10-bit, 100ms settling time
Analog I/O Unit	CS1W-0A00V	4 inputs, 0 to 5V, 0 to 10V, 10-bit, 100ms settling time
	CS1W-0A00A	4 inputs, 0 to 5V, 0 to 10V, 10-bit, 100ms settling time
Temperature Sensor Unit	CS1W-PT010	4 thermocouple input
Serial Communication Board	CS1W-50041-V1	1 RS-485 port and 1 RS-422 port
Ethernet Unit	CS1W-ET101	10/100Base-T
DeviceNet Unit	CS1W-0D011-V1	DeviceNet master card





General Specifications

- Max. I/O = 128 points
- Program capacity = 2K words
- Data memory = 1 K word
- Transistor = 1 bit
- High speed Counter = 1 bit
- Pulse output = 200%
- Resolution = 0.1ms

Model Numbers

Model	No. of I/O points	Power supply	Output type	Input points	Output points	Standards
CPM1A-1000A-A-V1	16-POINT I/O	AC	Relay output	8	8	U.C., N.L., CE
CPM1A-1000A-A-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-A-V1	16-POINT I/O	DC	Relay output	8	8	U.C., CE
CPM1A-1000A-A-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-Q-V1	16-POINT I/O	AC	Relay output	12	8	U.C., N.L., CE
CPM1A-1000A-Q-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-Q-V1	16-POINT I/O	DC	Relay output	12	8	U.C., CE
CPM1A-1000A-Q-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-D-V1	16-POINT I/O	AC	Relay output	12	8	U.C., N.L., CE
CPM1A-1000A-D-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-D-V1	16-POINT I/O	DC	Relay output	12	8	U.C., CE
CPM1A-1000A-D-V1	16-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-A-V1	32-POINT I/O	AC	Relay output	16	16	U.C., N.L., CE
CPM1A-1000A-A-V1	32-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-A-V1	32-POINT I/O	DC	Relay output	16	16	U.C., CE
CPM1A-1000A-A-V1	32-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-Q-V1	32-POINT I/O	AC	Relay output	24	16	U.C., N.L., CE
CPM1A-1000A-Q-V1	32-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-Q-V1	32-POINT I/O	DC	Relay output	24	16	U.C., CE
CPM1A-1000A-Q-V1	32-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-D-V1	32-POINT I/O	AC	Relay output	24	16	U.C., N.L., CE
CPM1A-1000A-D-V1	32-POINT I/O		Transistor output (NPN sink)			
CPM1A-1000A-D-V1	32-POINT I/O	DC	Relay output	24	16	U.C., CE
CPM1A-1000A-D-V1	32-POINT I/O		Transistor output (NPN sink)			

Advanced Mini PLCs



Compact Type PLC

with RS232 Port

CPM2A



General Specifications

- Max. I/O = 128 points
- Program capacity = 2K words
- Data memory = 3 K words
- Backup RAM 2K bit
- Backup real time clock
- Transistor = 2 bit
- High speed Counter = 24 bit
- Pulse output = 100%
- Resolution = 0.1ms

Model Numbers

Model	No. of I/O points	Power supply	Output type	Input points	Output points	Standards
CPM2A-1000A	16-POINTS	AC	Relay output	12	8	U.C., CE, N.L.
CPM2A-1000D	16-POINTS	DC	Relay output			
CPM2A-1000E	16-POINTS	AC	Transistor output (NPN sink)	12	8	U.C., CE, N.L.
CPM2A-1000F	16-POINTS		Transistor output (NPN sink)			
CPM2A-1000A	16-POINTS	AC	Relay output	16	12	U.C., CE, N.L.
CPM2A-1000D	16-POINTS		DC			
CPM2A-1000E	16-POINTS	AC	Transistor output (NPN sink)	16	12	U.C., CE, N.L.
CPM2A-1000F	16-POINTS		Transistor output (NPN sink)			
CPM2A-1000A	32-POINTS	AC	Relay output	24	16	U.C., CE, N.L.
CPM2A-1000D	32-POINTS		DC			
CPM2A-1000E	32-POINTS	AC	Transistor output (NPN sink)	24	16	U.C., CE, N.L.
CPM2A-1000F	32-POINTS		Transistor output (NPN sink)			
CPM2A-1000A	48-POINTS	AC	Relay output	36	24	U.C., CE, N.L.
CPM2A-1000D	48-POINTS		DC			
CPM2A-1000E	48-POINTS	AC	Transistor output (NPN sink)	36	24	U.C., CE, N.L.
CPM2A-1000F	48-POINTS		Transistor output (NPN sink)			

OMRON

Programmable Controllers

SYSMAC CP1H

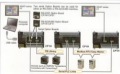
A New All-in-one Package Controller with Condensed Multi-functionality in a New Black Body

CP1H-1

CPU Unit	Specifications				Model	Standard
	Power supply	Output method	Input	Output		
CP1H-A CPU Units Memory capacity: 32 Kbytes High-speed counters: 100kHz, 4 units Pulse outputs: 100kHz, 4 units (Models with transistor outputs only)	AC power supply Relay output	Transistor output (sinking) Transistor output (sourcing)	24 16	16 16	CP1H-A000-A CP1H-A000-G CP1H-A000-T	CE, N CE, N CE, N
CP1H-B CPU Units Memory capacity: 32 Kbytes High-speed counters: 100kHz, 4 units Pulse outputs: 100kHz, 4 units (Models with transistor outputs only)	AC power supply Relay output	Transistor output (sinking) Transistor output (sourcing)	24 16	16 16	CP1H-B000-A CP1H-B000-G CP1H-B000-T	CE, N CE, N CE, N
CP1H-C CPU Units Memory capacity: 32 Kbytes High-speed counters: 100kHz, 4 units Pulse outputs: 100kHz, 2 units 100kHz, 1 unit 100kHz, 2 units	DC power supply Transistor output (sinking)	Transistor output (sinking) Transistor output (sourcing)	24 16 16	16 16 16	CP1H-C000-A CP1H-C000-G	CE, N CE, N

Options (for CPU Units)

Name	Specifications	Model	Standard
RELAY Output Board	For CPU Unit option pack	CP1H-CP01	CE, N
RELAY Input Board	For CPU Unit option pack	CP1H-CP11	CE, N
Memory Cassette	Can be used for loading up programs in advance	CP1H-CP04	CE, N






OMRON Basic Switch

Miniature Basic Switch - Type V

	Model	Detail	Price
	V-150-1A5	SPDT 15A Solder/Quick Connect	80.-
	V-150-1B5		150.-
	V-150-1A5	SPDT 15A Solder/Quick Connect	80.-
	V-150-1B5	SPDT 15A Solder Terminal	150.-
	V-150-1A5	SPDT 15A Solder/Quick Connect	74.-
	V-150-1C20	SPDT 15A Quick Connect	74.-

Low-torque Basic Switch

	Model	Direction of Actuator	Operating torque	Load Current	Price
	DDMC-01B	ON	5.1 gf.cm	0.5 A	260.-
	DDMC-01BL	OFF	5.1 gf.cm		354.-
	DDMC-01F	ON	7.8 gf.cm		248.-
	DDMC-02	ON	5.1 gf.cm	1 A	248.-
	DDMC-04	ON	18.2 gf.cm		248.-
	DDMC-02L	OFF	5.1 gf.cm		270.-
	DDMC-04L	OFF	18.2 gf.cm		270.-
<p>အကျယ်အဝန်း (Dimensions) DDMC</p> 			<p>ပုံစံ (Form) DDMC-0</p> 		
28.-			248.-		







OMRON Basic Switch

Subminiature Basic Switch : Type Z

	Model	Detail	Price
	Z-150X21-B	Screw Terminal, Standard	624 -
	Z-150X2155-B	Screw Terminal, Drip Proof	600 -
	Z-150X21A55-80V	Screw Terminal, Drip Proof + Terminal Cover	602 -
	Z-150W21-B	Screw Terminal, Standard	342 -
	Z-150W2155-B	Screw Terminal, Drip Proof	326 -
	Z-150V4-B	Screw Terminal, Standard, Low O.P.	246 -
	Z-150V6-B	Screw Terminal, High Sensitivity, Low O.P.	314 -
	Z-150V3-B	Screw Terminal, Standard, Medium O.P.	296 -
	Z-150V32-B	Screw Terminal, Standard, High O.P.	298 -
	Z-150V4A55-B	Screw Terminal, Drip Proof, Medium O.P.	406 -
	Z-150V4A55-80V	Screw Terminal, Drip Proof + Terminal Cover, Medium O.P.	564 -
	Z-150V455-B	Screw Terminal, Drip Proof, High O.P.	308 -
	Z-150V4A55-80V	Screw Terminal, Drip Proof + Terminal Cover, High O.P.	596 -
	Z-150W22-B	Screw Terminal, Standard	226 -
	Z-150W22-0	Screw Terminal, High Sensitivity	326 -
	Z-150W2255-B	Screw Terminal, Drip Proof	354 -
	Z-150W22A55-80V	Screw Terminal, Drip Proof + Terminal Cover	684 -
	Z-150W2255-MLM	 Drip Proof + molded Cover	1080 -
	Z-150W2255-0		296 -
	Z-150W2-B	Screw Terminal, Standard	296 -
	Z-150W2-0	Screw Terminal, High Sensitivity	384 -
	Z-150W255-B	Screw Terminal, Drip Proof	408 -
	Z-150W2A55-80V	Screw Terminal, Drip Proof + Terminal Cover	684 -
	Z-150V35-B	Screw Terminal, Standard	376 -

OMRON Limit Switch

Limit Switch : BL

	Model	Year issue	Description	Price
	BLGL	released 45'	increased the load capacity from 10kg to 20kg	1,500.-
	BLGL-2	released 90'		1,700.-
	BLGL-2M	released 90'		1,700.-
	BLHML	released 90'		3,100.-
	BLF2CA2	released 45'	Explosion proof	3,400.-
	BLF2CA2-2	released 70'		3,400.-
	BLGCA2		High-Precision	1,870.-
	BLGCA2-2			2,500.-
	BLGCA2-LD		High-Precision LED10-115 VAC/DC	3,000.-
	BLGCA2-5M/E		Hermetically Sealed, High-Precision Neon Lamp 125-250 VAC	3,100.-
	BLGCA2-3M/E			3,720.-
	BLG2-LD	released 80'	High-Sensitivity LED10-115 VAC/DC	2,700.-
	BLG2-LDS	T.T. 80'	High-Sensitivity, Spatter-Prevention LED10-115 VAC/DC	3,100.-
	BLG2-5M/D	T.T. 80'	High-Sensitivity, Hermetically Sealed LED10-115 VAC/DC	3,400.-
	BLG2-5M/E	T.T. 80'	High-Sensitivity, Hermetically Sealed Neon Lamp 125-250 V	3,000.-
	BLH2-LD		T.T. 80' LED10-115 VAC/DC	2,820.-
	BLCA2-11			1,900.-
	BLCA2-40			1,900.-

OMRON Limit Switch

Limit Switch - WL










	Model	Description	Price
	WL002	For 2-wire	1,320,-
	WL003	For 2-wire with normally closed contact	2,180,-
	WL006	For 2-wire with normally closed contact	2,790,-
	W10F03	Tabular type	400,-
	W10F03-01		918,-
Standard size 	WL-1A100	For WL0A2	278,-
WL-2A100 	WL-2A100	For WL0A12	484,-

OMRON Limit Switch

General-purpose Limit Switch : Type HL











HL-6000	HL-6030	HL-6100	HL-6200	HL-6300	HL-6300
					
1,204 -	1,488 -	1,204 -	1,204 -	1,488 -	1,204 -

Enclosed Switch : Type SHL

SHL-0100	SHL-0100	SHL-02100	SHL-02100	SHL-0100
				
982 -	982 -	1,000 -	1,000 -	1,100 -
SHL-01100	SHL-01100	SHL-012100	SHL-012100	
				
982 -	982 -	982 -	1,088 -	

OMRON Limit Switch







Enclosed Switch : Type 2C

2C-055	2C-058	2C-02055	2C-02155	2C-02155
				
558 -	1,094 -	990 -	990 -	1,308 -
2C-02155	2C-02255	2C-02155	2C-02155	2C-02255
				
1,308 -	990 -	990 -	978 -	1,122 -

Enclosed Switch : Type D4C

				
D4C-3200	D4C-3200	D4C-3200		
2,046 -	2,046 -	2,088 -		
D4C-3200				
2,046 -				

Thumbwheel Switches

	Model	Description	Price
	MRT-2	Connector 6-Pin/6 MPE (w/ Thumbwheel) (w/ MRT,APM,ATPS,ATPH,ATPS)	500.-
 <p data-bbox="166 529 218 544">14.8 mm</p>	ATPS-006	Body 6Pin no.terminal 0-0	300.-
	ATPS-007	Body 6Pin no.terminal 0-0 Mounting Clutch	300.-
 <p data-bbox="166 729 218 743">14.8 mm</p>	ATPH-207	Body 6Pin no.terminal 0-0 Mounting Clutch	350.-
	ATPS-206-1	Body 6Pin no.terminal 0-0	400.-
	ATPS-207	Body 6Pin no.terminal 0-0 Mounting Clutch	440.-
	ATPS-207-1	Body 6Pin no.terminal 0-0 Mounting Clutch	440.-
	APCM-106-1	Output Binary Code	244.-
	ATP-M	6Pin/6-Pin Body 6Pin (w/ ATP6,ATPH)	60.-
	ATP-M-1	6Pin/6-Pin Body 6Pin (w/ ATP6,ATPH)	60.-