Contents

The following product groups include models that have been or will be discontinued between March 2001 and March 2007.

Photoelectric Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Photoelectric Sensor with Separate Amplifier Optical fiber Sensing Head	E3C-DM2R(-L)/-DM5(-A) E3C-DS1(A)	E32-DC200B	End of March 2001	A special amplifier is required.
	E3C-S5(A)	E32-TC200B	End of March 2001	A special amplifier is required.
Photoelectric Module with Separate Amplifier	E3C-MA11	---	End of March 2001	
Photoelectric Sensor with Built-in Power Supply	E3D-M	---	End of March 2003	
Photoelectric Sensor with Built-in AC Power Supply	E3E2 Series	---	End of March 2004	Consider using the E3JK as an AC Photoelectric Sensor.
Photoelectric Sensor with Built-in Amplifier	E3J2-R1/-T1	E3Z-R61/-T61	End of March 2004	A sensitivity adjuster is provided.
Accessories for Photoelectric Sensor	E3ML-ZF1	---	End of March 2004	
	E3ML-ZF2/-ZF3	---	End of June 2004	
Photoelectric Sensor with Built-in Amplifier	E3N-S Series	E3S-C Series	End of March 2004	No alarm output is provided.
	E3N2 Series	---	End of March 2003	
E3N-S Accessories	E3N-Z☐ Series	---	End of March 2005	
Distance-settable Photoelectric Sensor	E3S-LS Series	E3Z-LS Series	End of March 2004	The external dimensions are different. The self-diagnostic function is eliminated.
Photoelectric Sensor with Built-in Amplifier	E3S-☐S1	E3S-☐S	End of March 2003	The operation of the self-diagnostic output has changed.
Analog Photoelectric Sensor/ Analog Fiber-Optic Sensor	E3SA	E3X-DA-S (Analog Output Models)	End of March 2006	The operation method is different.
	E3XA	E3X-DA-S (Analog Output Models)	End of March 2006	The operation method is different.
Fiber Amplifier	E3X-CA11/-CA41	E3X-NA11/-NA41	End of November 2002	The external dimensions are different.
	E3X-DA☐☐	E3X-DA☐☐-S E3X-DA☐☐-N	End of March 2004	The operation method is different.
Fiber Photoelectric Module	E3X-MA11	---	End of March 2001	
Yarn Monitor	E3Y Series	---	End of March 2001	
Photoelectric Sensor	E3Z-T71/-T91/-T96 E3Z-R71/-R91/-R96	E3Z Customized	End of March 2005	Substitute using a customizable modular product.
Fiber Unit	E32-T61 E32-T81R E32-T81F E32-T84S	E32-T61-S E32-T81R-S E32-T81F-S E32-T84S-S	End of March 2004	
	E32-T61R	E32-T81R-S	End of September 2001	
Sensor Adjuster	E39-L93	E39-L93H E39-L93V E39-L93FH E39-L93FV	End of March 2003	The external dimensions are different.
Dummy Module	E39-M11	---	End of March 2001	
Pyroelectric Sensor	F8H-1010	---	End of March 2002	
Color Registration Mark Incandescent	S3M-L10 Series (excludes some models)	---	End of March 2005	

Photomicrosensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Photomicrosensors	EE-S5	EE-SG3-B EE-SM3 EE-SM8	End of September 2002	The dimensions and mounting method are different. The EE-SM3 uses a red LED and photo-Darlington transistor.

Proximity Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
High-precision Proximity Sensor	E2CD-C☐	E2C-ED☐ (Sensor Head) E2C-EDA11 (Amplifier Unit)	End of March 2006	The external dimensions are different.
	E2CD-X☐	E2C-EM☐ (Sensor Head) E2C-EDA11 (Amplifier Unit)	End of March 2006	The external dimensions are different.
Proximity Module with Separate Amplifier	E2C-MA11	---	End of March 2001	
Multi-point Proximity Sensor	E2M-BP☐	---	End of March 2001	
Rectangular Proximity Sensor	E2Q2-N☐-G	E2Q2-N☐-H	End of April 2004	Conduit screw size is M20 × 1.5 instead of PG13.5.
	E2Q3 Series	---	End of March 2004	
	TL-G3D	TL-G3D-3	End of March 2002	A current output model.
Inductive Ring Sensor	F2LP	---	End of March 2006	
Long Sensing-distance Inductive Proximity Sensor	TL-L100	TL-L100-7	End of March 2002	A current output model.

Rotary Encoder

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Absolute Rotary Encoder	E6C2-A☐☐☐-☐	E6C3-A☐☐☐-☐	End of March 2003	
Incremental Rotary Encoder	E6C2-CWZ☐☐H	E6C3-CWZ☐☐H	End of March 2003	
Absolute Rotary Encoder	E6G2 Series	---	End of September 2001	

Pressure Sensors/Ultrasonic Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Ultrasonic Sensor with Built-in Amplifier	E4C2-LM50C4	---	End of March 2001	
Compact Ultrasonic Sensor	E4E-TS30C☐	E4E2-TS50C☐	End of March 2003	The sensing distance and mounting dimensions are different.
	E4E-TS30C1-1 (Model with no LED indicators)	---	End of March 2003	
Ultrasonic Sensors for Automobiles	E4Y-L3C1 E4Y-L3P	---	End of September 2004	

Vibration and Inclination Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Micro Tilt Sensor	D6B-1(P) D6B-1-1(P)	D6B-2(P)	End of March 2005	A lead-free product.
Quake Sensing Equipment	D7G-F□1□ (Quick Vibration Sensing Series)	D7G-F□2□	End of March 2001	A gal-supporting product.

Safety Sensors/Area Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Safety Area Sensor	F3S-A□□□(U)	F3SN-A□□□□P14 F3SN-A□□□□P25	End of March 2002	The dimensions and terminal arrangement are different.
	F3S-A□□1P F3S-A□□2P	F3SN-A□□□□P14 F3SN-A□□□□P25	End of March 2003	The dimensions and terminal arrangement are different.
Extension Cable for F3S-A	F39-JA□A	F39-JC□A	End of March 2002	An extension cord for the F3SN-A.
Pyroelectric Human Sensor	F5B Series	---	End of March 2001	

Sensor Controllers

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Motion Detector	AMD-DD Series (AND mode)	K3NR-NB1C-C1	End of March 2001	
	AMD-DD Series (OR mode)	K3NP-NB1C-C1	End of March 2001	Cannot be used where the setting time is not 21 ms.
	AMD-DS Series	H7CX-R□	End of March 2001	The dimensions, mounting method, and wiring method are different.
	AMD-S Series	H7CX-R□	End of March 2004	The dimensions, mounting method, and wiring method are different.
S3S Connection Socket	P2A-12BA(-US)	---	End of March 2005	
Auto Setting Controller	S3D-ES-M/-M10	CQM1H Series Special I/O products	End of March 2001	Special software is required. A voltage-to-current converter is required.
Setting Unit	S3D-P	---	End of March 2001	
Sensor Controller	S3D8 S32-A/-PM	CPM1A Series	End of March 2001	
Controller Unit	S3S-□10	S3D2-□	End of March 2002	The dimensions, mounting method, and wiring method are different.

Digital Panel Meters

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Up/Down Counting Meter	K3NC	K3HB-C	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Temperature Meter	K3NH	K3HB-H	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Period Meter	K3NP	K3HB-P	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Frequency/Rate Meter	K3NR	K3HB-R	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Weighing Meter	K3NV	K3HB-V	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Process Meter	K3NX	K3HB-X	End of March 2006	The external dimensions, terminal arrangement, and terminal screw sizes are different.
Scaling Meter	K3TJ	K3MA-J	End of March 2003	The external dimensions and wiring method are different.
Digital Panel Meter	K3TL	K3MA-L	End of March 2003	The external dimensions and wiring method are different.
Intelligent Signal Processor	K3TS K3TS-E	K3HB-S	End of March 2004	The connection arrangement and terminal screw sizes are different.

Vision Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Simple Vision Sensor	F30 Series	F150 Series	End of March 2003	
Pattern-matching Sensor	F10 Series	ZFV Series	End of July 2005	Replacement of Sensor Head and Amplifier Unit sets is required. Serial communications are not supported.
	F10-C10/-C11	ZFV Series	End of March 2001	Replacement of Sensor Head and Amplifier Unit sets is required. Serial communications are not supported.
	F10-C15/-C16	ZFV Series	End of March 2001	Replacement of Sensor Head and Amplifier Unit sets is required. Serial communications are not supported.
	F10-S15/-S30	ZFV Series	End of March 2001	Replacement of Sensor Head and Amplifier Unit sets is required. Serial communications are not supported.
Vision Sensor	F150-C10 F150-C10E	F160-C10V2 F160-C10E-2	End of March 2003	
	F150-C10V2/-C10V3 F150-C10E-2/-C10E-3	F160-C10V2 F160-C10E-2	End of March 2006	
Software Package	F150-CD10E	F500-CD3E/-UM3ME/ -UM3FE	End of March 2002	
Vision Sensor Camera	F150-M09	F150-M05L/F500-M10L	End of March 2006	The mounting method and external dimensions are different.

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Vision Sensor Controller	F160-C10	F160-C10V2	End of March 2004	Upgraded version.
	F160-C10E	F160-C10E-2	End of December 2003	Upgraded version.
	F160-C15E	F160-C15E-2	End of December 2003	Upgraded version.
Compact Flash Card	F160-N64S	F160-N64S(S)	End of May 2002	
Vision Sensor Camera	F160-S1	F160-S2	End of March 2004	Upgraded version.
Vision Sensor Controller with Windows-based Software	F180-C10 Series	F210C10	End of March 2006	
Software Package	F180-CD10 F180-CD10V2-S	F500-CD3E/-UM3ME/ -UM3FE	End of March 2002	Upgraded version.
	F180-CD10V2	F500-CD3/-UM3M/ -UM3F	End of March 2006	
Visual Inspection System	F200-C12/-C12E	F160-C10V2/-C10E-2	End of September 2002	
Power Supply Units for F200	F200-P	---	End of September 2002	No power supply is required because a controller is built in.
Camera	F200-S	F160-S2	End of September 2002	
Application software	F250-UM	F500-UM3M/-UM3F	End of March 2002	Upgraded version.
	F250-UMV2	F500-UM3F	End of October 2002	Upgraded version.
	F250-UM3M	F500-UM3M	End of October 2003	
	F250-UM3F F250-UMV2(S)	F500-UM3F	End of October 2003	
	F258-UB	F258-UB(S)	End of May 2002	
IMP Unit	F300-C11/-C11E F300-C12/-C12E F300-C10V2-001	F250/F270-C10 + F500-UM3M/-UM3F F250-C50/-C55 + F500-UM3ME/-UM3FE	End of March 2001	A system change is required because the operation, communications, programming, external appearance, and mounting method are all different.
Visual Inspection System	F300-A20/-A20-001/ F300-A20R	---	End of September 2002	
	F300-A22S/-A22S-001	---	End of September 2002	
	F300-A22RS/-A23RS	---	End of September 2002	
	F300-B32/-B52	---	End of September 2002	
	F300-D2/-DC2	---	End of September 2002	
	F300-E2	---	End of September 2002	
	F300-FS	---	End of September 2002	
	F300-FM2	---	End of September 2002	
	F300-G	---	End of September 2002	
	F300-K	---	End of September 2002	
Console	F300-KP	F150-KP	End of March 2005	The connector form is different, so it cannot be used with the F200, F300, F350, or F381. Replacement of the controller is also required.
OVL Unit	F300-L12(E)	---	End of March 2001	
Video Monitor	F300-M09	F150-M05L/ F500-M10L	End of March 2005	Mounting method and external dimensions are different.
Memory Card	F300-N2M	---	End of March 2005	Equivalent product: I-O DATA DEVICE's PCS-H2M
Memory Card for Visual Inspection System	F300-N256/-N512	---	End of September 2001	Equivalent product: I-O DATA DEVICE's PCS-H2M
Visual Inspection System	F300-P2/-P2E	---	End of September 2002	
Camera	F300-S	---	End of March 2004	Equivalent product: Tokyo Electronic Industry's CS8310B.

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Shutter Camera	F300-S2R	---	End of March 2005	Equivalent product: NIKKO DENKI TSUSHIN CO.'s TI-124A II
	F300-S3DR	---	End of September 2004	Equivalent product: TOSHIBA CORPORATION's IK-C41F2
Frame-shutter Camera	F300-S4R	F160-S2	End of September 2004	Replacement of the entire Visual Inspection System is required.
Console Junction Connector Cable	F309-J	---	End of March 2005	Also consider replacing the controller.
ROM Module	F309-PCB1 F309-PCB1EV2 F309-PCB-001	---	End of March 2001	
	F309-PCB2 F309-PCB2EV2	---	End of March 2001	
Visual Inspection System	F309-PCB3	---	End of September 2002	
	F309-VFS	---	End of September 2002	
Console Relay Cable	F309-VKP	F150-VKP	End of March 2005	The connector form is different, so it cannot be used with the F200, F300, F350, or F381.
Visual Inspection System	F309-VR	---	End of September 2002	
Camera Cable	F309-VSR2 F309-VSR2-002 F309-VSR2-003	F160-VSR3 F150-VSC F160-VSR4	End of March 2005	The connector form is different, so it cannot be used with the F200, F300, F350, or F381. Replacement of the controller is also required.
Monitor Cable	F309-VM	F150-VM	End of March 2005	The connector form is different, so it cannot be used with the F200, F300, F350, or F381. Replacement of the controller is also required.
Visual Inspection System	F350-C12/-C41	F250/F270-C10	End of September 2002	F500-UM3□ Application Software is required.
	F350-C12E/-C41E	F250-C50/-C55	End of September 2002	F500-UM3□ Application Software is required.
	F350-L12/-L12E	---	End of September 2002	The OVL Unit is not required because a controller is built in.
	F350-PCB3	---	End of September 2002	
Application software	F350-UB	F258-UB(S)	End of March 2004	
	F350-U004, -U005, F350-U006, -U007, F350-U008, -U101	F500-UM3M/-UM3F	End of March 2001	The installation method is different.
Vision Inspection System	F381-C40(E)	F250-C10	End of March 2005	F500-UM3□ Application Software is required.
	F381-C44(E)	F270-C10	End of March 2005	F500-UM3□ Application Software is required.
Visual Inspection System Console Adapter	F381-DU	F160-DU	End of March 2005	Only F150-KP and F160-KP Consoles can be used. Up to 4 channels can be connected. Operation uses 24-VDC specifications (A POWER switch is not provided).
Color Vision Sensor	F400-C10 Series	---	End of March 2006	
Application Software	F381-UM	F500-UM3M/-UM3F	End of March 2005	
	F500-UM1M	F500-UM3M	End of July 2004	
	F500-UM1F	F500-UM3F	End of July 2004	
White LED Lighting	LDR-50-SW	---	End of December 2001	
	LDR-70-SW	---	End of December 2001	
Extension Cable for White LED Lighting	FCB-3	---	End of December 2001	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
White LED Lighting	PSD-1024	---	End of December 2001	
Digital Image Logger	QM300-C10	---	End of September 2002	
	QM519-C10	---	End of March 2006	
Visual Equipment Controller	3Z4SP-C11	F210-C10	End of March 2001	A system change is required because the operation, communications, programming, external dimensions, and mounting method are all different.
	3Z4SP-C12	F210-C10	End of March 2001	A system change is required because the operation, communications, programming, external dimensions, and mounting method are all different.
	3Z4SP-C21	F210-C10	End of March 2001	A system change is required because the operation, communications, programming, external dimensions, and mounting method are all different.
	3Z4SP-C22	F210-C10	End of March 2001	A system change is required because the operation, communications, programming, external dimensions, and mounting method are all different.
Keyboard Adapter	3Z4SP-A1	---	End of March 2001	
Camera Adapter	3Z4SP-A2	---	End of March 2001	
Monitor	3Z4SP-M1	F150-M05L/ F500-M10L	End of March 2001	Mounting method and external dimensions are different.
RS-232C Cable	3Z4SP-R1 3M	XW2Z-200S-V1	End of March 2001	
	3Z4SP-R1 5M	XW2Z-500S-V1	End of March 2001	
Camera Cable	3Z4SP-V5/-V2C	F150-VS	End of March 2001	
Monitor Cable	3Z4W-V1	F150-VM	End of March 2001	
Strobe for Vision Sensor	3Z4S-LT DSX-240 (DSX-240BC-U3 + (SLC-601)	---	End of March 2002	Equivalent product: Sugawara Laboratories' DSX-240BC strobe unit and SLC-601 strobe lamp.
Lamp for Vision Sensor	3Z49-LMP X-240RA	---	End of March 2002	Equivalent product: Sugawara Laboratories' X-240RA lamp for replacement.

Didital Fine Scopes

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Lens Adapter	VC-A☐ Series	VC-HRA☐	End of March 2004	
	VC-M☐ Series	VC-HRM☐	End of March 2004	
	VC-SRM☐	VC-HRM☐	End of March 2006	
	VC-SRA50☐	VC-HRA☐	End of March 2006	
	VC-SRM2500ZC-ST (Reflective)	---	End of March 2006	
	VC-SRM2500ZC-STB (Through-beam)	---	End of March 2006	
	VC-SRM10XZC	VC-HRM10XZC	End of March 2006	
Stand	VC-SRSTAU	VC-OLY-ST	End of March 2006	
	VC-SRSTAU-DX	VC-OLY-STB	End of March 2006	
	VC-SRSTU	VC-STU	End of March 2006	
3D Digital Fine Scope	VC1000	VC3000	End of March 2005	The CCD size is different, so the periphery of the image may appear dark if a VC1000 lens is used with the VC3000 for observation at low magnification.
3CCD Digital Fine Scope	VC4500	VC3500 V2	End of March 2006	
	VC4500-PC	VC3500 V2	End of March 2006	

Displacement Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
ZX-series Calculating Unit	ZX-CAL	ZX-CAL2	End of March 2004	The number of Amplifier Units connected together increased to five.
High-precision Visual Displacement Measurement System	Z300 Series	ZS-LD□□/-LDC□□	End of March 2006	
Capacitive Displacement Sensor	Z4KC-NR1 Z4KC-N1 Z4KC-N5	---	End of March 2004	
Regular Reflective Laser Displacement Sensor	Z4M-N30V	ZX-LD30V (Sensor) ZX-LDA11-N (Amplifier Unit)	End of July 2004	The Sensor and Amplifier are sold separately.
Regular Reflective CCD Displacement Sensor	Z4M-T30V/-T30V2	ZS-LD40 (Sensor Head) ZS-LDC11 (Sensor Controller)	End of March 2006	
High-precision Laser Displacement Sensor	Z4M-W Series	ZXLD□□L/-LDA□□-N	End of March 2006	
Laser Safety Kit	Z49-SF2	---	End of March 2006	
Beam Shutter	Z49-BS	---	End of March 2006	
Ultrasonic Displacement Sensor	E4PA-LS50-M1 E4PA-LS200-M1	E4PA-LS50-M1-N E4PA-LS200-M1-N	End of September 2004	The number of pins of the M12 sensor connector changed to five from four.
	E4PA-LS400-M1 E4PA-LS600-M1	E4PA-LS400-M1-N E4PA-LS600-M1-N	End of March 2004	The number of pins of the M12 sensor connector changed to five from four.
Extension Cable	Z49-C11 (3 m/8 m)	ZS-XC4A/-XC8A (4 m/8 m)	End of March 2006	
Laser Displacement Sensor	3Z4M-J1001-□	ZX-LD40□ /-LDA□□N	End of March 2002	
	3Z4M-J1222-□	ZX-LD100□ /-LDA□□N	End of March 2002	
Contact Displacement Sensor	D5S Series	D5SN-S04□ (Sensor Head) D5SN-A01 (Amplifier Unit)	End of March 2006	The Amplifier Unit's dimensions, mounting method, and wiring are different.
	D5M Series	D5SN-M□ (Sensor Head) D5SN-A01 (Amplifier Unit)	End of March 2006	The Amplifier Unit's dimensions, mounting method, and wiring are different.

Length Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Parallel Beam Line Sensor	Z4LA Series	ZX-LT010 (Sensor) ZX-LDA□□-N (Amplifier Unit)	End of March 2006	
Laser Safety Kit	Z49-SF1	---	End of March 2006	
Parallel Beam Linear Sensor (Sensor Head)	Z4LB-S10V2	ZX-LT010	End of March 2006	
	Z4LB-S30V2	ZX-LT030	End of March 2006	
Parallel Beam Linear Sensor (Amplifier Unit)	Z4LB-CV2/-CPV2	ZX-LDA11-N ZX-LDA41-N	End of March 2006	
Parallel Beam Linear Sensor (Set)	Z4LB-A3040V2 Z4LB-A3040PV2	ZX-LT030 + ZX-LDA11-N or ZX-LT030 + ZX-LDA41-N	End of March 2006	
Laser Micrometer	3Z4L-C5000 3Z4L-C6000 3Z4L-S501R 3Z4L-S503R 3Z4L-S506R 3Z4L-S512R Z4L-BW5	3Z4L-C5000V2 3Z4L-C6000V2 3Z4L-S501RV2 3Z4L-S503RV2 3Z4L-S506RV2 3Z4L-S512RV2 Z4L-BW5V2	End of July 2004	Replacement of the Sensor Head and Controller is also required.

Smart Sensors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Smart Monitor	ZX-SW11/-SW11 V2	ZX-SW11 V3	End of September 2005	Upgraded version.
	ZX-SW11E/-SW11E V2	ZX-SW11E V3	End of September 2005	Upgraded version.

ID Systems

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
ID System	V600-CB Series and Accessories	V600-CHUD + personal computer	End of September 2005	
ID Controller	V600-CF1A	V600-CA1A-V3 V600-CD1D-V3	End of May 2003	The power supply specifications are different. The mounting and external dimensions are different.
ID System	V600-CH1D	V600-CHUD	End of March 2005	The V600-A20 is not required as an external power supply.
Handheld Reader/Writer	V600-CH1D-C V600-S-DT9030S	V600-CHUD	End of October 2004	
RFID System	V600-CA1A-F-V2/-CF1A	---	End of March 2002	
	V620-A40/-A41/-A42 V620-A43/-A44/-A45	V690-A4□ V690-A5□	End of March 2002	A system change is required, because all specifications are different, although the method and characteristics are similar.
	V620-CA1A/-CA2A	---	End of March 2002	
	V620-CA8A/-CA9A	---	End of March 2002	
	V620-CB/-CB-S/-CB-US	---	End of March 2002	
	V620-CD1D	V690-HMG01A	End of March 2002	A system change is required, because all specifications are different, although the method and characteristics are similar. The V690-HMG01A is a mono-block construction product incorporating a controller and R/W head.
	V620-D8KR01	V690-D8KR01A	End of March 2002	A system change is required, because all specifications are different, although the method and characteristics are similar.
	V620-H01/-H01-S/-H02	V690-HMG01A	End of March 2002	A system change is required, because all specifications are different, although the method and characteristics are similar. The V690-HMG01A is a mono-block construction product incorporating a controller and R/W head.
	V630-D4KR11/-D4KR11T/ V630-D52R11/-D52R11T	V600-D8KR04 V600-D2KR16	End of March 2002	A system change is required because all specifications including the method and characteristics are different.
	V630-H11/-H11T/ V630-H12/-H12T	V600-H07 (10-m cable) V600-H11 (10-m cable)	End of March 2002	A system change is required because all specifications including the method and characteristics are different.
	V670-CD1D	V670-CD1D-V1	End of October 2003	Upgraded version.
	V690-D8KR01	V690-D8KR01A	End of November 2003	The external dimensions have changed to improve water-resistance, and the height has increased by 0.5 mm. Apart from the external dimensions, nothing else is different.
ID System	V700-D13P31	V700-D23P31	End of March 2005	The memory capacity is higher.
	V700-L21	V700-L22	End of October 2004	

Code Readers

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Bar Code Readers	V500-R320 V500-R322	V500-R521B2 V500-R521C2	End of March 2006	The mounting method, external dimensions, and operation methods are different.
	V500-R421/-R422 V500-C11	V500-R521B V500-R521C	End of March 2003	A Controller is not required.
	V500-R521B V500-R521C	V500-R521B2 V500-R521C2	End of March 2005	
	V520-RHK1-6	---	End of March 2003	Equivalent product: NEC Infrontia Corporation's BCK5445-STA
	V520-RHK1-10	---	End of March 2003	Equivalent product: NEC Infrontia Corporation's BCK5645-STA
	V520-R121	V520-R221FH	End of March 2003	The mounting method and external dimensions are different.
	V520-R221F V520-R221S	V520-R221FH V520-R221SH	End of March 2003	
Handheld Barcode Reader	V520-RP21	---	End of September 2005	Equivalent product: NEC Infrontia Corporation's HT20 (small beam)
	V520-RP21-1MB	---	End of September 2005	
Optical Communications Adapter	V508-A001	---	End of September 2005	
Support Software	V508-S001	---	End of September 2005	
Special Cable	V509-W017	---	End of September 2005	
Inventory Control Software	V508-SB001	---	End of September 2005	
	V508-SB002	---	End of September 2005	
2-Dimensional Code Reader	V530-H1050/-H1200	---	End of March 2003	Equivalent product: Mitsubishi Corporation's IT4410HD and IT4410LR
	V530-H2005-V/-Q	---	End of March 2003	Equivalent product: Mitsubishi Corporation's VS-C600
	V530-R150(V2)	V530-R160	End of March 2003	Upgraded version.
	V530-R150E(2)	V530-R160E	End of March 2003	Upgraded version.
	V530-R150EP(-2)	V530-R160EP	End of March 2003	Upgraded version.
	V530-R150V3	V530-R160	End of March 2006	Mounting method and external dimensions are different.
	V530-R150E-3	V530-R160E	End of March 2006	Mounting method and external dimensions are different.
	V530-R150EP-3	V530-R160EP	End of March 2006	Mounting method and external dimensions are different.
	F150-M09-2D	F150-M05L-2D	End of March 2006	The power supply, supply voltage, specifications, size, and mounting method are different.
ROM Module	V530-R150-PCB V530-R150-PCBE	---	End of March 2003	A substitute ROM Module is not available, but the V530-R160 Series can be used.
	V530-R150-PCB3 V530-R150-PCBE3	---	End of March 2006	
Handheld 2-Dimensional Code Reader	V530-H301/-H302/-H303	V400-H101/-H201	End of March 2006	The external dimensions and operation methods are different.
	V530-C300	V400-H101/-H201	End of March 2006	
Bar Code Readers	V550-A20HS-SET V550-A20HS-R1SET V550-A20HS-R0.5SET V550-A20HS-XSET V559-A26A-J	V500-R521B V500-R521C	End of March 2003	The DRX function is not provided. The mounting method and external dimensions are different.

Laser Markers

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Laser Marker	LE-100SA(-2D) LE-160SA(-2D)	---	End of March 2004	Equivalent product: MIYACHI TECHNOS CORPORATION's ML-7110 Series

Level Devices

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Level Switch	E7A Series	---	End of March 2004	Equivalent product: NOHKEN's KSV.
Controller	E7A-A10	---	End of March 2004	
	E7A-B10	---	End of March 2004	
Compact Level Sensor	E7B Series	---	End of March 2004	Equivalent product: NOHKEN's KSV.
	E7U Series	---	End of March 2004	Equivalent product: NOHKEN's PR.
Static Level Meter	E7M Series	---	End of March 2004	Equivalent product: NOHKEN's CM.
Controller Unit for E7M	E7M-K-C2/-T1	K3NX-AD1C-C2/-T1	End of March 2003	
Liquid Leakage Sensing Band	F03-16	F03-16PE	End of September 2001	Better performance, e.g., superior chemical resistance.
Sensing Band Sticker	F03-26	F03-26PEN F03-26PES	End of September 2001	Better performance, e.g., superior chemical resistance.
	F03-26PE	F03-26PES	End of March 2004	Smaller.

Basic Switches

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
High-capacity Basic Switch	A Series (some models)	Contact the Division in charge for details.	End of March 2006	
General-purpose Basic Switch	Z Series (some models)	Contact the Division in charge for details.	End of March 2006	

Limit Switches

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Miniature Four-circuit Safety Limit Switch	DL-5500/5510	D4D-4501N + lever	End of March 2005	The external dimensions and operating characteristics are different. Two limit switches are required if four circuits are used.
	DL5502A	---	End of March 2005	
	DL Series other than the above	---	End of March 2005	
Four-Circuit Pressure and Explosion Proof Limit Switch	DLF5000	WLF2CA2	End of March 2005	The external dimensions and operating characteristics are different. Two limit switches are required if four circuits are used.
	DLF5100	WLF2CA12	End of March 2005	The external dimensions and operating characteristics are different. Two limit switches are required if four circuits are used.
	DLF5002A	---	End of March 2005	
	DLF Series other than the above	---	End of March 2005	
Miniature Limit Switch	D4C Series (some models)	Contact the Division in charge for details.	End of March 2006	
	D4CC Series (some models)	Contact the Division in charge for details.	End of March 2006	
	HL Series (some models)	Contact the Division in charge for details.	End of March 2006	
Miniature Enclosed Switch	D4E Series (some models)	Contact the Division in charge for details.	End of March 2006	
	D4MC Series (some models)	Contact the Division in charge for details.	End of March 2006	
	SHL Series (some models)	Contact the Division in charge for details.	End of March 2006	
	VE Series (some models)	Contact the Division in charge for details.	End of March 2006	
Levers	HL-1HPA320 Lever HL-5032 Lever	Contact the Division in charge for details.	End of March 2001	
Explosion-proof Limit Switch Connector	SC-E-09 SC-E-10 SC-E-11 SC-E-12	---	End of August 2004	Equivalent product: SHIMADA ELECTRIC's SXC-16BY-OI connector for WLF6 and NAKAMURA ELECTRIC MFG. CO.'s GXTV10 connector for WLF2
WLNJ Lever	WL-8W□□	WL-9H□□	End of September 2004	The head is different.
	WLNJ-7 Lever	WL-9H104	End of September 2004	The head is different.
Two-circuit Limit Switch	WL Series (some models)	Contact the Division in charge for details.	End of March 2006	
	WLCR3 Series	---	End of March 2004	
	WL□□□-C Series	WL□□□ Series	End of March 2004	The lever tightening section and conduit construction are different.
	WL□□□-136 □m Series	WL□□□-139 □m Series	End of March 2002	Mold resin processing has been added to the cover screws on the 139 type, and the parts between the cover and box.
	WLM Series (some models)	Contact the Division in charge for details.	End of March 2006	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Explosion-proof Limit Switch	WLF2 Series (some models)	Contact the Division in charge for details.	End of March 2006	
	WLFX Series (some models)	Contact the Division in charge for details.	End of March 2006	
Miniature Pressure- and Explosion-proof Limit Switch	WLF5□□ Series	WLF6□□ Series	End of March 2004	Explosion-proof construction is different.
Miniature Explosion-proof Limit Switch	WLF6E Series	---	End of March 2006	
Enclosed Switch	XE/XV Series (some models)	Contact the Division in charge for details.	End of September 2003	
	ZC Series (some models)	Contact the Division in charge for details.	End of March 2006	
	ZE/ZV Series (some models)	Contact the Division in charge for details.	End of March 2006	
Miniature Multiple Limit Switch	SB Series	VB Series	End of March 2004	The external dimensions and operating characteristics are different.
	SB-S100/-S102	---	End of September 2004	
Multiple Limit Switch	VB-□3□□ Series	VB-□2□□	End of March 2001	The actuator shape is different.
	VE Series (some models)	Contact the Division in charge for details.	End of March 2006	
Multiple Limit Switch	ZB Series (some models)	Contact the Division in charge for details.	End of March 2006	
On-site Flexible Rod Switch	TP70 Series (some models)	Contact the Division in charge for details.	End of March 2006	
Limit Touch Switch	NL Series (some models)	Contact the Division in charge for details.	End of March 2006	
High Precision Switch	D5A Series (some models)	Contact the Division in charge for details.	End of March 2006	

Safety Components

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Guard Lock Safety-door Switch	D4BL-□□□C Series	---	End of March 2001	
	D4BL-□□□□-D Series	---	End of March 2001	
	D4DL Series	D4NL Series	End of November 2003	
Miniature Safety Limit Switch	D4D-□N	D4N-□	End of March 2006	
Miniature Reset Limit Switch	D4D-□R	D4N-□R	End of March 2006	
Safety-door Hinge Switch	D4DH	D4NH	End of March 2006	
Safety-door Switch	D4DS	D4NS	End of March 2006	
Safety Relay Unit	G9D-301-BIA	G9S-301	End of March 2003	The external dimensions, characteristics, and wiring methods are partly different.
	G9D-301 G9D-EX411	G9S/G9SA	End of March 2006	The external dimensions, characteristics, and wiring methods are partly different.

Pushbutton Switches/Operation Switches

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Pushbutton Switch	A16 Series (some models)	Contact the Division in charge for details.	End of September 2003	
Knob-type Selector Switch	A165S/W Series (some models)	Contact the Division in charge for details.	End of September 2003	
Key-type Selector Switch	A165K Series (some models)	Contact the Division in charge for details.	End of September 2003	
Pushbutton Switch	A22 Series (some models)	Contact the Division in charge for details.	End of September 2003	
Knob-type Selector Switch	A22S/W Series (some models)	Contact the Division in charge for details.	End of September 2003	
Pushbutton Switch	A3C Series (some models)	Contact the Division in charge for details.	End of September 2003	
	A3K Series (some models)	Contact the Division in charge for details.	End of September 2003	
	A3P Series (some models)	Contact the Division in charge for details.	End of September 2003	
	A3P□N Series	A3P□ Series	End of March 2005	The external dimensions are different.
	A3S Series (some models)	Contact the Division in charge for details.	End of September 2003	
	A30 Series	A22-series accessories supported	End of March 2004	
	A4P Series	---	End of March 2004	
Thumbwheel Switch	A7AS	A7PS	End of March 2006	The operation method is a push type instead of a rotary type. The external dimensions are different.
	A7F	---	End of March 2005	
	A7MA	A7MD	End of March 2006	The external and mounting dimensions are different.
	A7SS	A7PS	End of March 2005	The operation method is a push type instead of a rotary type. The external dimensions and mounting method are different.
Large-size Lighting Pushbutton	C4XT Series SLA Series	---	End of March 2004	Equivalent product: Sanwa Denshi's OBSA series.
Indicator	M16 Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M2C Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M2K Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M2P Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M2P□N Series	M2P□	End of March 2005	The external dimensions are different.
	M2S Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M22 Series (some models)	Contact the Division in charge for details.	End of September 2003	
	M4PJ Series	---	End of March 2004	

Programmable Terminals/Display Terminals

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Programmable Terminal C500-DT	C500-DT021-V1 C500-DT022-V1	---	End of March 2004	
Combination Indicators	MS3 MS4	---	End of March 2006	Equivalent product: Kimura Electric's KFE-D8P Series
Digital Display	M7E-08DBN2 M7E-08HBN2	M7E-08DRN2, 08DGN2 M7E-08HRN2, 08HGN2	End of November 2004	Text display is red or green instead of blue.
	M7FB-15R	M7F-4D1RF M7F-4N1RF	End of March 2006	The recommended substitute product does not support B7A serial communications. The M7F requires a cable with connector.
NS Series Ladder Monitor for Programmable Terminal	NS-EXT01	NS-EXT01-V2	End of September 2002	Upgraded version.
	NS-EXT01-HMC	NS-EXT01-V2HMC	End of September 2002	Upgraded version.
	NS-EXT01-L03	NS-EXT01-V2L03	End of September 2002	Upgraded version.
	NS-EXT01-L10	NS-EXT01-V2L10	End of September 2002	Upgraded version.
NS Series Memory Expansion Board	NS-MF081 NS-MF161	---	End of March 2006	The memory of the NS-series Programmable Terminal has been expanded, so a substitute product is not required.
Programmable Terminal NS Series	NS7-SV00(B) NS7-SV01(B)	NS8-TV10(B)-V1 NS8-TV11(B)-V1	End of September 2004	Upwardly compatibility.
	NS8-TV0□□-V1	NS8-TV1□□-V1	End of June 2005	Image capacity increased to 20 MB.
	NS10-TV00(B) NS10-TV01(B)	NS10-TV00(B)-V1 NS10-TV01(B)-V1	End of March 2004	Upgraded version.
	NS12-TS00(B) NS12-TS01(B)	NS12-TS00(B)-V1 NS12-TS01(B)-V1	End of March 2004	Upgraded version.
Programmable Terminal NT10S	NT10S-SF121(-E) NT10S-SF122(-E)	---	End of March 2004	
	NT10S-ZA□□□	---	End of March 2004	
Programmable Terminal NT11S	NT11S-SF121(B)	NT11-SF121(B)-EV1	End of March 2005	Upward compatibility.
	NT11S-ZA3AT-EV1	NT-ZJCAT1-EV4	End of March 2005	The operating environment is English-language Windows 95 through XP instead of English-language MS-DOS.
Programmable Terminal NT20M	NT20M-DT121-V2 NT20M-DN121-V2	NT20M-DT131 NT20M-DN131	End of March 2006	Backlight replacement is possible.
Programmable Terminal NT600M	NT600M-DT122 NT600M-DF122	NS8-TV10-V□	End of December 2005	Screen resolution improves from 640 × 400 dots to 640 × 480 dots. Revision of screen data and ladder programming data is required.
	NT600M-DT211 NT600M-DN211	NS8-TV10-V□	End of December 2005	Screen resolution improves from 640 × 400 dots to 640 × 480 dots. Revision of screen data and ladder programming data is required.
Programmable Terminal Korean-version	NT30-ST131(B)-EK NT30C-ST141-EK NT31-ST121(B)-EKV1 NT31C-ST141-EKV1	NS5-SQ00(B)-V□	End of March 2006	Standard products in the NS Series support Korean language. Partial changes to both screens and ladder programs created by the user are required.
	NT620S-ST211-EK NT620C-ST141-EK NT631-ST211-EKV1 NT631C-ST151-EKV1(S)	NS8-TV10(B)-V□ NS10-TV00(B)-V□	End of March 2006	Standard products in the NS Series support Korean language. Partial changes to both screens and ladder programs created by the user are required.
	NT-ZA3AT-EKV2 NT-ZJCAT1-EKV3	NS-NSDC1-V□	End of March 2006	Standard products in the NS Series support Korean language. Partial changes to both screens and ladder programs created by the user are required.
Connecting Cable for NT Series	NT20M-CNP222/712	---	End of September 2002	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Key Sheet for NT20M	NT20M-CKF01	---	End of September 2002	
NT20M Expansion I/O Unit	NT20M-IF001	---	End of March 2002	
	NT20M-MD211	---	End of March 2002	
NTE Series Programmable Terminal	NTE31-TT121B NTE31C-TT141B	NS5-MQ00B-V2 NS5-SQ00B-V2	End of March 2006	The recommended substitute product will be released in 2005.
NS-Designer Version Software	NS-NSDC1-JV1	NS-NSDC1-V6	End of May 2002	Upgraded version. The model supports both English and Japanese languages.
	NS-NSDC1-JV2 NS-NSDC1-EV2	NS-NSDC1-V6	End of February 2003	Upgraded version. The model supports both English and Japanese languages.
	NS-NSDC1-V3	NS-NSDC1-V6	End of June 2003	Upgraded version.
	NS-NSDC1-V4	NS-NSDC1-V6	End of November 2003	Upgraded version.
NT30/620 System Installer	NT-ZS3AT-EV1 NT30-ZS3DV-V1 NT620-ZS3AT-EV1 NT620-ZS3AT-EMV1 NT620-ZS3PC-V1	NT-ZJCAT1-EV4 NT-ZJCMX1-V4	End of September 2002	
Programmable Terminal Korean-version NT30C/620C (with black casing only)	NT30C-ST141B-EK NT620C-ST141B-EK	NT31C-ST141-EKV1 NT631C-ST141-EKV1	End of September 2002	Some specifications and performance are different. The NT631C has different external and mounting dimensions.
Programmable Terminal NT31/NT31C	NT31-ST121(B)-(E)V2	NT31-ST122(B)-(E)V2	End of March 2005	Upward compatibility.
	NT31C-ST141(B)-(E)V2	NT31C-ST142(B)-(E)V2	End of March 2005	Upward compatibility.
Key Sheet for NT600M	NT600M-CKF01	---	End of September 2002	
Dust-proof Chemical-resistant Cover for NT600M	NT600M-KBA02	---	End of September 2002	
NT600M Communications Interface	NT600M-LPM31	---	End of September 2002	
NT600M Expansion I/O Unit	NT600M-MD211	---	End of September 2002	
Communication System ROM for NT600M	NT600M-SMR05	---	End of September 2002	
NT600MS System ROM (Host Link)	NT600MS-SMR31	---	End of March 2002	
Programmable Terminal NT600MV/NT610C	NT600MV-DT211 NT600MV-SMR06V	---	End of March 2001	
	NT610C-DT151(B)-V2	NT631C-ST152(B)-V2	End of March 2002	
NT610C Water- and Oil-resistant Kit	NT610C-KBA03	---	End of September 2002	
Programmable Terminal NT610C/NT610G	NT610C-SMR□□	---	End of March 2002	
	NT610G-DT211	NS8-TV10-V1	End of March 2001	
Image Memory Board for NT610G	NT610G-MF151/251 NT610G-MF551/161	---	End of March 2003	
System ROM for NT610G	NT610G-SMR01/02/03/08	---	End of March 2003	
	NT610G-SMR31/32/33/34	---	End of March 2003	
Programmable Terminal NT612G Series	NT612G-DT211(B)	NT620S-ST211(B) NS10-TV00(B)-V1 NS8-TV10-V1	End of March 2003	
Programmable Terminal NT625C Series	NT625C-ST152(B)	NT631C-ST152(B)-V2	End of March 2004	
Programmable Terminal NT631C Series	NT631C-ST141(B)-(E)V2	NT631C-ST152(B)-(E)V2	End of March 2006	TFT type. The screen size is 11.3 inches instead of 10.4 inches.
	NT631C-ST151(B)-(E)V2	NT631C-ST152(B)-(E)V2	End of March 2006	Upward compatibility.

PCB Relays

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Power Relay	G2J Series	G7J Series	End of March 2000	The external dimensions and mounting bracket are different. The AC coil model uses a full-wave rectification method.
	G2R Series	Contact the Division in charge for details.	End of September 2004	Contact the Division in charge for details.
	G2R-□-S-ASI G2R-□-S-TU	G2R-□-S	End of September 2004	
	G2R-□-S-SZ	---	End of September 2004	
MOS FET Relay	G3VM-4(F)	G3VM-4N(F)	End of May 2001	The external appearance, exterior color, and characteristics are partly different.
	G3VM-X(F)	G3VM-XN(F)	End of May 2001	The external appearance, exterior color, and characteristics are partly different.
Power Relay	G4B-112T1(-C) DC coil G4B-112T(-C) DC coil	G4F-11123T G4F-1123T	End of September 2003	The external and mounting dimensions are different.
	G4B-112TP DC coil	G4A-1A-E	End of September 2003	The external and mounting dimensions are different. No recommendable substitute products for AC coil models are available.
	G4B-112TP AC coil	---	End of September 2003	
Subminiature Relay	G4D	G2R-2	End of March 2004	The external dimensions, terminal arrangement, and electrical durability are different.
Power Relay	G4J Series	G7J Series	End of March 2000	The external appearance and mounting bracket are different. The AC coil model uses a full-wave rectification method.
	G4PE-1117P	G5CE-1	End of March 2003	The external dimensions, terminal arrangement, and electrical durability are different.
Subminiature Relay	G4S Series	G5LE-1	End of March 2004	The height is different.
Power Relay	G4W-□T/-□A	G4W-□P	End of March 2005	Consolidation of models in Series.
	G5C/G5CE Series	G5CA Series	End of March 2005	Use of cadmium in production discontinued to comply with RoHS.
	G5J-1-TP-M	G5G-1A	End of March 2004	The external and mounting dimensions are different.
	G5LE-ACD	G5LE-1(A)(4)	End of March 2005	
	G5N-1A(4)	G5NB-1A(4)	End of September 2004	Some terminal dimensions are different.
	G5P-1A	G5PA-1	End of March 2001	
	G5S	G5SB	End of September 2003	
Single Pole Surface-mounting Relay	G5V-1F(-Y)	G6S Series	End of March 2001	The external appearance, mounting method, and characteristics are partly different.
	G5V-1-HT(Y)	G6S Series	End of March 2001	The external appearance, mounting method, and characteristics are partly different.
High-frequency Relay	G5Y-1 (50-ohm products) G5Y-1-H (50-ohm products) G5Y-154P (50-ohm products)	G6Z-1PE (75-ohm products) G6Z-1PE-A (50-ohm products)	End of March 2004	The external dimensions are different.
Power Relay	G5Z-2A(-E)	G5PA-2/G5PA-28	End of March 2004	The external and mounting dimensions are different.

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Mini Relay	G6CN Series (all specifications)	---	End of March 2001	
Power Relay	G6D-1A(-AP)	G6D-1A-ASI(-AP)	End of March 2005	Use of cadmium in production discontinued to comply with RoHS.
MBB Contact Relay	G6GN Series (all specifications)	---	End of March 2001	
Surface-mounting Relay	G6J-2FS G6J-2FL G6J-2P	G6J-2FS-Y G6J-2FL-Y G6J-2P-Y	End of January 2004	The external dimensions are different.
	G6JU-2FS G6JU-2FL G6JU-2P	G6JU-2FS-Y G6JU-2FL-Y G6JU-2P-Y	End of January 2004	The external dimensions are different.
Miniature Automotive PCB Relay	G6P Series	G8QN-1C4	End of March 2004	
	G6PE Series	G8SN-1C4-FD	End of March 2004	
Power Relay	G6RN-ACD	G6RN-1(A)	End of March 2005	

General-purpose Relays

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
High-power Relay	LY (some specifications)	Contact the Division in charge for details.	End of March 2002	Contact the Division in charge for details.
	LYR-SR LYR-SR4 DC4A	---	End of March 2005	
Miniature Power Relay	MY (some specifications)	Contact the Division in charge for details.	End of March 2002	Contact the Division in charge for details.
	MY1 Series	MY2/G2R	End of March 2003	The MY2 has a different terminal allocation. The G2R also needs a socket change.

Contactors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
DIN Track Mounting One-touch Plate	AX2-DL01	R99-12 for G3NA	End of March 2003	One-touch plate (optional) for the G3NA SSR.
High-sensitive Contactor	J7A Series	J7AN Series	End of March 2003	The power consumption is different.
Thermal Overload Relays	J7TM Series	LG's GTK-22 Series	End of March 2006	The R99-14 for G3J Mounting Tool must be used when combining with the G3J.
	J7TY Series	LG's GTK-22 Series	End of March 2006	The R99-14 for G3J Mounting Tool must be used when combining with the G3J.
Contactor	LC1D LC1F LP1D	J7KN Series	End of March 2003	
Reversible Contactor	LC2D Series LP2D Series LC2F Series	J7KN Series	End of March 2003	Reversible Contactors are not supplied as a set. The Reversible Unit is used and wiring is performed on-site.
Thermal Relay	LR2D/LA7D Series	J7TKN Series	End of March 2003	J7TKN: Special Thermal Relay for the J7KN
Auxiliary Relay	CA2 CA3	J7KNA Series	End of March 2003	
Contact Block	LA1 LA8	J73KN Series	End of March 2003	J73KN: Special Contact Block for the J7KN
Timer Block	LA2 LA3	J74KN Series	End of March 2003	J74KN: Special Timer Block for the J7KN

Power Adjusters/Solid State Relays

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Three-phase Solid State Relay	G3JC Series	G3PB Series Solid-state contactor for three-phase heaters G3J Series Solid-state contactor for three-phase heaters	End of March 2003	The external appearance and mounting dimensions are different.
New Power Solid State Relay	G3PA-420B	G3PA-420B-VD(-2)	End of March 2004	The rated input voltage is 12 to 24 VDC.
	G3PA-430B	G3PA-430B-VD(-2)	End of March 2004	The rated input voltage is 12 to 24 VDC.
Solid State Relay	G3R-101SL/-201SL G3R-102SLN/-202SLN G3R-101S/-201S	G3R-OA202SLN(-UTU)	End of March 2004	
	G3R-102SN/-202SN	G3R-OA202SZN(-UTU)	End of March 2004	
	G3RD-101SN	G3R-OD201SN(-UTU)	End of March 2004	
	G3RD-X02SN	G3R-ODX02SN(-UTU)	End of March 2004	
Power Device Cartridge for old G3PA Model	G32A-A420	G32A-A420-VD(-2)	End of March 2004	Use in combination with the relay. The rated input voltage is 12 to 24 VDC.
	G32A-A430	G32A-A430-VD(-2)	End of March 2004	Use in combination with the relay. The rated input voltage is 12 to 24 VDC.
Alarm Unit	G34 Series	K2CU-F40A-CGS G3PC-220B-VD	End of March 2003	The external dimensions, mounting dimensions, and performance are different.
Thermal Unit	G35 Series	J73KN Series	End of March 2003	The external appearance and performance are different.

Digital Temperature Controllers

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Non-contact Temperature Sensor	ES1A-A	ES1B	End of March 2005	An external power supply of 12/24 VDC is required. The external dimensions are different.
	ES1A-B	ES1-LP3	End of March 2001	The external dimensions and enclosure ratings are different.
	ES1A-C	ES1-LP3	End of March 2001	The external dimensions and enclosure ratings are different.
ES100 Support Software	ES100-YA□□□-(E)V2	ES100-YB177(-E)	End of March 2005	The OS is Windows.
Digital Temperature Controller	ES100□-RRP□ (some models)	---	End of March 2005	
	ES100□-□□-K (some models)	ES100□-□□ + ES100-K (Recommended substitute products are not available for all models.)	End of March 2005	
	E5AK-□□-K (some models)	---	End of March 2005	
	E5CK-□□-K (some models)	---	End of March 2005	
Fuzzy Temperature Controller	E5AF	E5AK	End of March 2003	
Digital Temperature Controller	E5AJ Series	E5AN Series E5AK Series	End of March 2002	
	E5AK (some 24-VAC/VDC models)	E5AK (100- to 240-VAC models)	End of September 2003	The power supply voltage is 100 to 240 VAC.
	E5AK-AA2□ (some 24-VAC/VDC models)	E5AK-AA2□ (100- to 240-VAC models)	End of March 2005	The power supply voltage is 100 to 240 VAC.
	E5AK-TPRR (some models)	---	End of March 2005	
	E5AS Series	E5AN Series	End of March 2002	
	E5AW Series	E5AN Series	End of March 2002	
	E5AX (basic model)	E5AK	End of March 2003	
	E5AX-BA (8-bank memory model)	E5AR Series	End of March 2004	
	E5AX-DAA (2-setting type)	E5AK	End of March 2003	
	E5AX-LA/-MA (Current voltage input model)	E5AK (ES100X Series (some models))	End of March 2003	
	E5AX-PRR (Control valve control model)	E5AK-PRR (Control valve control model)	End of March 2003	
	E5AX-VA (Heating/Cooling output model)	E5AK	End of March 2003	
	E5BJ-A2HB	E5CN Series +Y92F-45	End of March 2003	The front panel dimensions are 72 x 72 instead of 48 x 48.
	E5BS Series	E5CN Series +Y92F-45	End of March 2003	The front panel dimensions are 72 x 72 instead of 48 x 48.
	E5BW Series	E5CN Series +Y92F-45	End of March 2003	The front panel dimensions are 72 x 72 instead of 48 x 48.
	E5BX-A	E5CK Series +Y92F-45	End of March 2003	The front panel dimensions are 72 x 72 instead of 53 x 53.
	E5CJ Series	E5CN Series	End of March 2002	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Digital Temperature Controller	E5CK (some 24-VAC/VDC models)	E5CK (100- to 240-VAC models)	End of September 2003	The power supply voltage is 100 to 240 VAC.
	E5CK-T (some 24-VAC/VDC models)	E5CK-T (100- to 240-VAC models)	End of September 2003	The power supply voltage is 100 to 240 VAC.
	E5CN-V	E5CN	End of September 2003	
	E5CW Series	E5CN Series	End of March 2001	
	E5CX Series	E5CN Series E5CK Series	End of March 2001	
Digital Temperature Controller	E5C2-R20P (all temperature ranges)	E5C2-R20P-D (all temperature ranges)	End of March 2002	
	E5C2-R40P (all temperature ranges)	E5C2-R40P-D (all temperature ranges)	End of March 2002	
Analog Temperature Controller	E5C3-WR☐☐K/J/P E5C3-WQ☐☐K/J/P	E5CN-Q/R E5CS-Q/R	End of March 2001	
	E5C4-Q20K/J/P E5C4-Q40K/J/P	E5CN-Q/R E5CS-Q/R	End of March 2001	
	E5C4-R20K/J/P E5C4-R40K/J/P	E5CN-Q/R E5CS-Q/R	End of March 2001	
Fuzzy Temperature Controller	E5EF (basic models)	E5EK	End of March 2003	
	E5EF-BA (8-bank memory model)	ES100X	End of March 2003	
Digital Temperature Controller	E5EJ Series	E5EN Series E5EK Series	End of March 2002	
	E5EK (some 24-VAC/VDC models)	E5EK (100- to 240-VAC models)	End of September 2003	The power supply voltage is 100 to 240 VAC.
	E5EK-TPRR (some models)	---	End of March 2005	
	E5EK-☐☐-K (some models)	---	End of March 2005	
	E5ES Series	E5EN Series	End of March 2002	
	E5EW Series	E5EN Series	End of March 2002	
	E5EX (basic models)	E5EK	End of March 2003	
	E5EX-BA (8-bank memory model)	E5ER Series	End of March 2004	
	E5EX-LA/-MA (current voltage input models)	E5EK-AA2B ES100X-AAH	End of March 2003	
	E5EX-PRR (control valve control model)	E5EK-PRR2B (control valve control models)	End of March 2003	
	E5EX-VAA (heating/cooling output models)	E5EK-AA2B	End of March 2003	
Digital Thermometer	E5L-AS☐	E5L-AS1	End of March 2005	The power supply voltage is different.
	E5L-AX☐ (some models)	E5L-AS☐	End of September 2003	
	E5L-BX☐	E5L-BX1	End of March 2005	The power supply voltage is different.
	E5L-B☐ (some models)	E5L-A☐	End of September 2003	
	E5L-BS☐ (some models)	E5L-BS1 E5L-AS☐	End of September 2003	
	E5L-BX2/-BX3/-BX4 (some models)	E5L-BX1	End of September 2003	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Multi-point Temperature Controller	E5ZD E5ZD-V E5ZD-8F E5ZD-SDL	E5ZN Series	End of March 2006	
	E5ZE-8☐D1☐B	E5ZE-8☐D1☐B-V2	End of March 2002	
Sheathed Thermocouple	E52-CA☐A D=1 to 4.8 Inconel	E52-CA☐A D=1 to 4.8 SUS316	End of September 2003	
	E52-CA☐A D=6.4, 8 Inconel Standard lead wire	E52-CA☐A D=6.4, 8 Inconel Heat-resistant lead wire E52-CA☐A D=6.4, 8 SUS316 Standard lead wire	End of September 2003	
	E52-CA☐A (part of the SUS316 specifications)	E52-CA☐A Series	End of March 2006	The lead wire length may be different. The protective tubing may be longer.
Sheathed Thermocouple	E52-CA☐B D=3.2, 4.8 Inconel	E52-CA☐B D=3.2, 4.8 SUS316	End of September 2003	
General-purpose Thermocouple	E52-CA☐B D=10 to 22 SUS304	E52-CA☐B D=10 to 22 SUS316	End of September 2003	
Sheathed Thermocouple	E52-CA☐C D=3.2, 4.8 Inconel	E52-CA☐C D=3.2, 4.8 SUS316	End of September 2003	
General-purpose Thermocouple	E52-CA☐C D=10 to 22 SUS304	E52-CA☐C D=10 to 22 SUS316	End of September 2003	
Sheathed Thermocouple	E52-CA☐☐ D=3.2 to 8.0 (part of the Inconel specifications)	E52-CA☐☐ D=3.2 to 8.0 SUS316	End of March 2006	
General-purpose Thermocouple	E52-CA☐☐ D=10 to 22 (part of the SUS310 specifications)	E52-CA☐☐ D=10 to 22 SUS316	End of March 2006	
Sheathed Thermocouple	E52-IC☐A (part of the SUS316 specifications)	E52-IC☐A Series	End of March 2006	The lead wire length may be different. The protective tubing may be longer.
Platinum Resistance Temperature Detector (RTD), or Thermistor	E52-PT☐ (all specifications)	E52-P☐	End of March 2003	
	E52-P☐B D=10	E52-P☐C D=10	End of September 2003	
Recorder	E55A-E/-F	---	End of March 2006	
Support Software CX-Thermo Ver. 1.0	EST2-2C-MV1	EST2-2C-MV2	End of February2005	Upgraded version.
Thermo Watcher Temperature Data Compilation Software	TP20-YA357-V1	ESTT-YB177-MV1S	End of March 2005	The OS has is Windows 2000 instead of Windows 95. Historical trend and event monitoring functions are provided. The screen configuration and layout are different. The E5☐J, ES100, and K3T☐ are not supported.
Digital Image Logger	QM300-C10	QM519-C10	End of September 2002	

Timers and Time Switches

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Micro Timer	H2A-H-US	H3M-H	End of September 2003	
	H2A-US H2A-UA-AG	H3M	End of September 2003	
	H2A-Y H2A-YH	H2A+Y92F-40 H2A-H+Y92F-40	End of March 2004	The mounting dimensions are different.
Solid-state Timer	H3T H3T-A/-B	H3FA-S☐ Series	End of March 2005	The terminal arrangement and external dimensions are different.
Quartz Timer	H5AN-4D☐-300 (vertical close mounting models)	H5AN-4D☐ (right-and-left close mounting models)	End of March 2004	The vertical close mounting method has changed to a horizontal close mounting.
Digital Timer	H5CL Series	H5CX	End of March 2004	The terminal arrangement is different. No external power supply is provided.
Quartz Timer	H5CN-☐N H5CN-☐NS (models with no numerical display)	H5CN-X☐N H5CN-X☐NS (models with numerical display)	End of March 2004	A numerical display is provided.
Digital Timer	H5CR Series	H5CX	End of March 2004	The operation method is different.
Daily Time Switch	H5E/H5E-P	H5S-FA	End of March 2002	The external appearance and mounting dimensions are different.
	H5E-Y	H5S-A	End of March 2002	The external appearance and mounting dimensions are different.
Rotary Timer	H5RA	---	End of March 2003	
Open-circuit Delay Relay	RD2P 4K (capacitor box)	H3CR-H8RL	End of March 2007	The socket is the P2CF-08 instead of the 8PFA1. The terminal arrangement is different. The external connection circuit when using the relay as an automatic restart relay for momentary stops is different.
Mini Manual Timer	STMN Series	---	End of March 2004	
Battery/Battery Holder for H5E	Y92S-15	---	End of March 2003	
Battery for Program Time Switch (H5W)	Y92S-16	Commercially available product: Nickel-cadmium battery Size AA battery	End of March 2001	
Solid-state Timer	H3G	H3JA	End of March 2004	

Counters/Cam Positioners

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Electromagnetic Counter	CSK☐-US	CSK☐	End of June 2002	
Miniature Electromagnetic Counter	CSKE☐-US	CSKE☐	End of June 2002	
Cam Positioner Unit	C500-CP131	C200H-CP114 (C200H-DSC01) 3F88L-160/-162	End of March 2004	The PLC for the C200H-CP114 is different. The 3F88L is a standalone product.
Digital Counter	H7AN-2☐ H7AN-4☐ (models with no numerical display)	H7AN-2D☐ H7AN-4D☐ (models with numerical display)	End of March 2004	A numerical display is provided.
	H7AN (48-VDC models) H7AN (100-VDC models)	H7AN (12-to 24-VDC models)	End of March 2004	The power supply voltage is 12 to 24 VDC.
	H7CL	H7CX	End of March 2004	The wiring and operation methods are different.
	H7CR	H7CX	End of March 2004	The operation method is different.
Self-powered Counter	H7EC	H7EC-N	End of March 2004	
Self-powered Tachometer	H7ER	H7ER-N	End of March 2002	
Self-powered Time Counter	H7ET	H7ET-N	End of March 2002	
Solid-state Counter	H7S	---	End of March 2004	
Multiplexer	H72A	---	End of March 2004	
Pulse Generator	H72B	---	End of March 2001	
Solid-state Counter	H8CA-S	H7CX H5CX	End of March 2004	The external dimensions and wiring are different. Switching from the counter to timer functions or vice versa is not possible with a single Unit.
Cam Positioner	H8PR-8 H8PR-16 H8PR-24	H8PS-8☐ H8PS-16☐ H8PS-32☐	End of March 2006	The power supply voltage has changed to 24 VDC. The shape and wiring are significantly different.
Time Counter	KTH	H7ET-NFV-B	End of March 2005	The external appearance, external dimensions, and mounting dimensions are different. The electromagnetic method has changed to an electronic method.
H7S Connector	P7S	---	End of March 2004	
Memory Card	YMR-8SN	YMR-8SN2	End of January 2005	
Cam Positioner	3F88L-CD☐☐☐N	---	End of March 2001	
	3F88L-DP30	---	End of March 2001	
Resolver	3F88L-RS17-S1	3F88L-RS17	End of March 2003	The shaft shape is different.
Cam Positioner	3F88L-T13	---	End of March 2001	
	3F88L-K☐	---	End of March 2001	
	3F88L-130/-130D/-130-S☐	3F88L-160	End of March 2001	
	3F88L-132/132S/132-S☐	3F88L-162	End of March 2001	
OMNUC N115 1-axis Positioner	3F88M-115A 3F88M-115F 3F88M-115MPG 3F88M-115A-E	3F88M-DRT141 + 3F88M-PRO01	End of March 2003	The external dimensions, specifications, and performance are different.

Programmable Controllers

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
CJ Series	CJ1G-CPU44 CJ1G-CPU45	CJ1G-CPU44H CJ1G-CPU45H	End of September 2003	
	CJ1W-AD081	CJ1W-AD081-V1	End of March 2003	Upgraded version.
	CJ1W-CLK21	CJ1W-CLK21-V1	End of December 2003	Upgraded version.
	CJ1W-ETN11	CJ1W-ETN21	End of March 2006	
	CJ1W-SCU21 CJ1W-SCU41	CJ1W-SCU21-V1 CJ1W-SCU41-V1	End of March 2005	Upgraded version.
CPM1 Series	CPM1-20EDR	CPM1A-20EDR1	End of March 2004	The external appearance, mounting method, and terminal arrangement are different.
	CPM1-□0CDR-□	CPM1A-□0CDR-□-V1	End of March 2004	The external appearance, mounting methods, and terminal arrangement are different.
CPM1A Series	CPM1A CPU Unit	CPM1A-V1	End of March 2002	Upgraded version.
	CPM1A-20EDR	CPM1A-20EDR1	End of March 2002	Upgraded version.
CPM2B Series	CPM2B-S001M-DRT	CPM2B-S001M-DRT-V1	End of November 2003	Upgraded version.
CPM2C Series	CPM2C-CIF01	CPM2C-CIF01-V1	End of March 2002	Upgraded version.
CQM1H/CQM1 Series	CQM1-CPU□	CQM1H-CPU□	End of March 2001	The peripheral connector is different.
	CQM1-LSE01/02	Contact the Division in charge for details.	End of March 2005	Replacement of the entire system including the CPU Unit is required.
	CQM1-SEN01	---	End of March 2001	
	CQM1-TU001	---	End of March 2001	
	CQM1H-CPU42	CQM1H-CPU51 + CQM1H-AVB41	End of July 2001	
	CQM1H-CPU43	CQM1H-CPU51 + CQM1H-PLB21	End of July 2001	
	CQM1H-CPU44	CQM1H-CPU51 + CQM1H-ABB21	End of July 2001	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
CS Series	CS1D-LCB05D	CS1D-CPU65P CS1D-CPU67P	End of December 2003	The CS1D-LCD05D is built into the CS1DCPU6☐P.
	CS1G-CPU☐☐ (E)V1 CS1H-CPU☐☐ (E)V1	CS1G-CPU☐☐H CS1H-CPU☐☐H	End of September 2002	The recommended products use the same model numbers in Japan and overseas.
	CS1W-AD041 CS1W-AD081	CS1W-AD041-V1 CS1W-AD081-V1	End of March 2003	Upgraded version.
	CS1W-CLK11	CS1W-CLK12-V1	End of March 2001	Upward compatibility.
	CS1W-CLK12 CS1W-CLK52	CS1W-CLK12-V1 CS1W-CLK52-V1	End of March 2003	Upgraded version.
	CS1W-CLK21	CS1W-CLK21-V1	End of December 2003	Upgraded version.
	CS1W-DRM21	CS1W-DRM21-V1	End of December 2003	Upgraded version.
	CS1W-ETN11	CS1W-ETN21	End of March 2006	
	CS1W-FLN12	CS1W-FLN22	End of September 2005	
	CS1W-HCP22 CS1W-HCA22 CS1W-HIO01	CS1W-HCP22-V1 CS1W-HCA22-V1 CS1W-HIO01-V1	End of January 2002	Upgraded version.
	CS1W-MC221 CS1W-MC421	CS1W-MC221-V1 CS1W-MC421-V1	End of September 2004	Upgraded version.
	CS1W-PTS01	CS1W-PTS01-V1	End of March 2002	The terminal arrangement is different.
	CS1W-SCB21 CS1W-SCB41 CS1W-SCU21	CS1W-SCB21-V1 CS1W-SCB41-V1 CS1W-SCU21-V1	End of April 2002	Upgraded version.
Memory Cassette for Teaching Box	CVM1-MP702 CVM1-MP703	CVM1-MP702-V1 CVM1-MP703-V1	End of March 2002	Upgraded version.
CVM1/CV500 Series	CVM1-PRS21-V1 CVM1-PRO01 CVM1-MP201-V1	CVM1-PRS21-V2 CVM1-PRO01-V1 CVM1-MP201-V2	End of November 2001	Upgraded version.
Floppy Disk Drive	CV500-FDD01/02	---	End of September 2004	
Memory Card Adapter	CV500-MCA01	---	End of March 2005	
GPC CV-series System Memory Cassette	CV500-MP311(-E)	WS02-CXPC☐-☐V☐	End of March 2005	Windows-version ladder support software for the C, CVM1, and CV Series.
SYSNET Link Unit	CV500-SNT31	Contact the Division in charge for details.	End of March 2001	
CV500 Unit	CV500-VP213(-E) CV500-VP217(-E) CV500-VP223(-E) CV500-VP227(-E) CV500-FHD01(-E) CV500-FHD02(-E) CV500-HDD11-V1 CV500-MR261/-MP602 CV500-BC105 CV500-CN116 CV500-ISX01 CV500-ISP01/02 CV500-ISB01/02	---	End of September 2002	
MC Support Software	CV500-ZN3AT1-E CV500-ZN3DV1 CV500-ZN3PC1	WS02-MCTC1-JV☐ WS02-MCTC1-EV☐	End of March 2003	The OS is Windows.
C1000H/C2000H/C500 CPU Unit	C1000H-CPU01-V1 C1000H-CPU01-EV1 C1000H-CPU01-E2V1 C2000H-CPU01-V1 C2000H-CPU01-EV1 C2000H-CPU01-E2V1 C500-CPU11-V1/-E2V1 C500-CPUK1 3G2C3-CPU11-EV1	CS1G-CPU42H/43H CS1G-CPU44H/45H CVM1-CPU01-V2/EV2 CVM1-CPU11-V2/EV2 CVM1-CPU21	End of March 2004	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
File Memory Unit	C1000H-FMR11 C1000H-FMR21	---	End of March 2006	
Programmable Controller (Flow Type)	C1000HF C500F C120F 3G2C4 C□□PF 3G2A5 FIT10 (some related products)	CVM1 Series CS Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required. Ladder programming is used.
C120 Unit (Input/Output/ Dummy/Spacer)	C120-DUM01 C120-IA121/-IA222 C120-ID212 C120-OC223 C120-OD211/-OD212 C120-SP001	CJ Series	End of March 2003	The external appearance, mounting dimensions, and specifications are different.
Products for the C120 Series	C120-MP231 C120-SI021/022 C120-ID213/214/217 C120-IM213 C120-OC221/222 C120-OA121/222 C120-OD411/412 C120-PRO15/25 3G2A6-PRO15-E PTD□□□□□ C120-DIN01	CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
C200H Series	C200H-APS01/02	Contact the Division in charge for details.	End of March 2001	
	C200H-ETL01(-E)	---	End of March 2006	
	C200H-FIM01	---	End of March 2001	
	C200H-FIM02 FIMC2-SET02	CJ Series	End of March 2004	
C200H Series	C200H-ID□□□-N C200H-OD□□□-N C200H-MD□□□-N	C200H-ID□□□ C200H-OD□□□ C200H-MD□□□	End of September 2003	The substitute product is provided with a connector.
Programming Console Key Sheet	C200H-KS01□	---	End of March 2006	
Microwave ID Sensor Unit/ ID Adapter	C200H-IDS21 C500-IDS21/-IDS22 C500-IDA22	CS1W-SCU21-V1 CS1W-SCB21/41-V1	End of March 2003	The V690-series V690-HMG01 Antenna is connected to the PLC through a protocol macro.
C200HS Series CPU Unit	C200HS-CPU01(-E) C200HS-CPU03(-E) C200HS-CPU21(-E) C200HS-CPU23(-E) C200HS-CPU31(-E)	CS Series CJ Series C200HX/HG/HE	End of March 2004	The CPU Unit, Backplane, Power Supply Unit, Memory Unit, and CPU-mounting Programming Devices must be changed.
	C200HS-CPU01-(E)C C200HS-CPU21-(E)C C200HS-CPU33-(E)C	CS Series CJ Series C200HG-CPU43(-Z) C200HG-CPU43-(Z)E C200HW-PA204S C200HW-PD024	End of March 2003	The CPU Unit, Backplane, Power Supply Unit, Memory Unit, and CPU-mounting Programming Devices must be changed.
SYSNET Link Unit	C200HS-SNT32	Contact the Division in charge for details.	End of March 2001	
SYSMAC C200HX/HG/HE PC Card Unit Ethernet Set	C200HW-PCS01-V1 C200HW-PCS01-EV1	CS Series	End of June 2001	Replacement is required for each Programmable Controller.
	C200HW-PCS01-V2	CS Series	End of March 2004	Replacement is required for each Programmable Controller.
C200HX Series CPU Unit	C200HX-CPU34D C200HX-CPU64D	C200HX-CPU34 C200HX-CPU64	End of March 2005	The error detection function has been eliminated.
Open PLC	C200PC-CPU01-R C200PC-CPU15-G	---	End of March 2002	
	C200PC-CPU01-R-V1 C200PC-CPU15-G-V1, and peripheral devices	---	End of December 2004	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
GPC System Memory Cassette	C2000-MP304-V3	WS02-CXPC1-JV☐	End of March 2006	Windows support software is used.
C500 (F)/C1000H (F)/ C2000H/C2000 Series Backplane	C500-BC031/051/052 C500-BC061/081/082 C500-BC091	CVM1 Series CS Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
FIT10/GPC Connection Cable	C500-CN131/231/331 C500-CN431/531	---	End of March 2006	
FIT20 Connection Cable	C500-CN226 C500-CN426 C500-CN626	---	End of March 2006	
Products for the C500 (F), C1000H (F), C2000H, and C2000 Series	C500-CN511 C500-IF001 C500-ATT51/52 C500-ATT81/82 C2000-ATT01	CVM1 Series CS Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
GPC Soft Casing	C500-CS001	---	End of March 2005	
C-Series Optical Host Link Unit (for Large-size PLCs)	C500-LK101-(P)V1 C500-LK103(-P) 3G2A5-LK101-(P)EV1	C200H-LK101-PV1	End of March 2003	Replacement of the entire system including the CPU Unit is required.
C500 (F)/C1000H (F)/C2000H Series Host Link Unit	C500-LK203/-LK201-V1 3G2A5-LK201-EV1 C120-LK201-V1 3G2A6-LK201-EV1 C120-LK202-V1 3G2A6-LK202-EV1	CVM1 Series CS Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
C500 (F)/C1000H (F)/ C2000H/C2000 Series Memory Unit	C500-MP831 C500-MR431/831 C2000-MP341-V1 C2000-MR831-V2 C2000-MR141-V2 C2000-MR241-V2 C2000-MR341-V2	CVM1 Series CVM1D Series CS Series CS1D Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
C500 (F)/C1000H (F)/ C2000H/C2000 Series Programming Console	C500-PRO13 3G2A5-PRO13-E C500-PRO23/-AP001	CVM1 Series CS Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
Duplex products for C2000H and C2000 Series	C2000-DPL01 3G2C5-DPL01-E C2000-IOD01/02 C2000-BC061/001 C2000-CN313/513 C2000-CN123/223	CVM1D Series CS1D Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
GPC System Memory Cassette	C500-MP303-V1	C500-ZL3DV1 C500-ZL3PC1	End of March 2006	
GPC C Series Ladder-type System Memory Cassette	C500-MP303-EV2	SYSMAC Support Software	End of March 2002	An English DOS version of C/CVM1 ladder support software. Supported by IBM PC/AT and compatible computers.
Voice Unit/Voice Memory Unit	C500-OV001 C500-MP501-H C500-MP501-T C500-MP503-T C500-MP504-T C200H-OV001 C200H-CN224	---	End of March 2005	
SYSNET Link Unit	C500-SNT31-V4	Contact the Division in charge for details.	End of March 2001	
C**☐ Series	C☐☐H C☐☐K C☐☐P	CPM2A CPM1A	End of March 2002	C☐☐PF (Flowchart model) and some Expansion Units connecting to the C☐☐PF are excluded.
C☐☐P/PF Series Expansion I/O Unit, etc.	C☐☐P Series C4K-☐☐ C20-LK20☐-V1 C20-IP002-V2 3G2C7-LK20☐-EV1	CPM1A Series CPM2A Series CJ Series	End of March 2006	Replacement of the entire system including the CPU Unit is required.
FI Ceiling Crane Vibration Control Unit	FIMC2-SET01	---	End of March 2002	
Logic I/O Package	FIT10-MF301	---	End of March 2005	

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
FIT10 Voice Package	FIT10-MF321	---	End of March 2002	Equivalent to the Windows Hyperterminal.
FIT10 Terminal Package	FIT10-MF331-V2	---	End of March 2002	Equivalent to the Windows Hyperterminal.
FIT10 NC Package	FIT10-MF341-V2	---	End of March 2002	
FIT20 SYSMAC Support Card 20	FIT20-MC701	WS02-CXPC1-JV□	End of March 2006	Windows-version support software is used.
Memory Card for CS/CJ Series	HMC-EF171/-EF371	HMC-EF372	End of July 2002	
	HMC-EF172	HMC-EF372	End of July 2004	The memory capacity has increased.
	HMC-EF571	HMC-EF672	End of August 2002	
	HMC-EF861	HMC-EF372	End of May 2002	The memory capacity is 15 MB.
Memory Card for CV/CVM1	HMC-EP161	HMC-EE151	End of August 2001	
Memory Card	HMC-ES251/551	HMC-ES252/552	End of February 2004	The external appearance is different. The battery replacement method is different. The battery life is longer.
Panel FC Peripheral Device	KDW7-2020/2040 KDW7-2210/2220 KDW7-2500/2510 KDW7-2600 KDW-PCM2 KDW-BAT1 KDW-FAN KDVA-1210 KDP10BK-3 KDW-SHT2	---	End of May 2006	
Memory for P5R/V8/M5R	ROM-G/-GA/-F5 RAM-F	---	End of March 2004	
Memory	ROM-ID-B	ROM-IB ROM-JD-B	End of March 2004	The substitute product depends on the Programmable Controller model.
Programmable Controller Cassette Connection Cable	SCYP0R-PLG01	---	End of March 2006	
Connection Cable for Dedicated Controller	SJ4□□□□	---	End of June 2002	
SK20	SK20 Series	CPM1A Series	End of March 2006	Reprogramming is required. The external appearance and mounting method are different.
SP10/SP16/SP20	SP10 Series SP16 Series SP20 Series	CPM1A Series	End of March 2006	Reprogramming is required. Reprogramming is required. The external appearance and mounting method are different.
	SP10-ETL01 SP16-ETL01 SP20-ETL01	---	End of March 2002	
H-PCF Optical Fiber Cable Tester Set/Master Fiber Set	S3200-CAT2700/2702	---	End of May 2001	Equivalent products: Products by optical fiber laying companies, such as KODENSHA and ACTRONICS.
	S3200-CAT3200/3201 S3200-CAT3202/ S3200-CAT2000/2001H S3200-CAT2002/2822	---	End of May 2001	Equivalent products: Products by optical fiber laying companies, such as KODENSHA and ACTRONICS.
H-PCF Optical Fiber Cable Tester Heat Unit	S3200-CAT2820/2821	---	End of March 2001	Equivalent product: Products by optical fiber laying companies, such as KODENSHA and ACTRONICS.
H-PCH Optical Connector	S3200-COCF2511/2011	S3200-COCF2571/2071	End of March 2002	The assembly tool is different.
	S3200-COCH62M S3200-COCF62M/62F	---	End of June 2001	Equivalent product: Sumitomo Electric Industries' CH-42-M, CF-42-M, and CF-42-F

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Optical Connector Assembly Tool	S3200-CAK1062	---	End of June 2001	Equivalent product: Sumitomo Electric Industries' CAK-0057 for S3200-COCF-2571 or S3200-COCF-2071.
SYSNET Power Supply	S3200-CPS05	Contact the Division in charge for details.	End of March 2001	
SYSNET Optical Fiber Cable	S3200-FH-L-C22T-□□□	---	End of March 2001	Equivalent product: Sumitomo Electric Industries' fiber with the same specifications.
H-PCF Optical Fiber Cable Some models)	S3200-HBCB101/102/103 S3200-HBCB501/502 S3200-HCCB101N/102N S3200-HCCB501N/502N	S3200-HCCB101/102/103 S3200-HCCB501/502	End of March 2003	A cable with a tension member. (Suitable for SNT, SLK, CLK, SYSMAC BUS, BUS/2, and SYSMAC WAY.)
H-PCF Cable for SYSNET (Without Connector)	S3200-HCLB101/102/103 S3200-HCLB501/502 S3200-HCLO101/102/103 S3200-HCLO501/502	S3200-CN102-□□-□□ S3200-CN-□□-□□	End of March 2003	H-PCF cable with a connector.
SYSNET Line Server	S3200-LSU03-V1/-01E	Contact the Division in charge for details.	End of March 2001	
SYSNET NSB	S3200-NSB03-V2/11-E	Contact the Division in charge for details.	End of March 2001	
SYSNET NSU	S3200-NSUA1-10/-00E	Contact the Division in charge for details.	End of March 2001	
SYSNET Bridge	S3200-NSUG4-10/-00E	Contact the Division in charge for details.	End of March 2001	
C500 Series and other Units	T1000H-LK203 T1000H-IP006-V1 T1000H-TLK01 3G2T4-ID218 3G2T4-OA122/222 3G2T4-OC221/223/224 3G2T4-OD214/412/413 3G2T8-CN150 3G2T9-IP005-V2 3G2T9-PRO30 C500-DA101-T T200H-CPU01 T200H-ID212 T200H-OA221 T200H-OC225 T200H-OD212 C200HS-TLK01	CVM1 Series CS Series	End of March 2004	
	3G2A5-LD211	---	End of March 2001	
	C500-LD211	---	End of March 2001	
Cassette Interface Unit	3G2A5-CMT01(-E)	---	End of March 2005	
Programming Console	3G2A6-PRO20-E	---	End of March 2003	
GPC C2000 Series Ladder-type System Memory Cassette	3G2C5-MP304-EV3	SYSMAC Support Software	End of March 2002	An English DOS version of C/CVM1 ladder support software.
SYSMAC LINK Support Board	3G8F4-SLK21 (for PC98)	3G8F7-SLK21 (for PCI bus) 3G8F5-SLK21 (for ISA bus)	End of March 2005	The development environment for compatible OS and user applications is different.
Controller Link Support Board	3G8F5-CLK11(-E)	3G8F7-CLK12 (-E)	End of March 2003	A PCI bus board.
NSB for SYSNET	3G8F5-SNT31	Contact the Division in charge for details.	End of March 2001	
Controller Link Support Board	3G8F6-CLK21 (for PC98)	3G8F7-CLK21-V1 (for PCI bus) 3G8F5-CLK21 (for ISA bus)	End of March 2006	The development environment for compatible OS and user applications is different.
	3G8F7-CLK21(-E) 3G8F7-CLK12(-E) 3G8F7-CLK52(-E)	3G8F7-CLK21- (E)V1 3G8F7-CLK12- (E)V1 3G8F7-CLK52- (E)V1	End of December 2003	Upgraded version.

Software

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Open Network Controller Optional Software Data Collection and Distribution Software	ITNC-DL1Q-EF	ITNC-DL1Q-ECD-V2	End of May 2002	Upgraded version.
	ITNC-DL1Q-F	ITNC-DL1Q-CD-V2	End of December 2001	Upgraded version.
Open Network Controller Optional Software Website and Mail Service Software	ITNC-WE1Q-EF	ITNC-RK1Q-ECD	End of December 2001	
FINS Gateway Version2 LAN Time	SFGW-RT-V2(E) SFGW-RT-HLV2(E)	SFGW-RT-2003(E)	End of December 2001	Upgraded version.
	SFGW-SDK-V2(E)	SFGW-SDK-2003(E)	End of December 2001	Upgraded version.
SYSMAC-CPT	WS01-CPTC1-J WS01-CPTF1-J WS01-CPTB1-E	CX-Programmer WS02-CXPC□	End of March 2001	Windows-version ladder support software for the C, CVM1, and CV Series.
CX-Programmer	WS02-CXPC1-E-V3□ WS02-CXPC1-EUP-V3□	WS02-CXPC1-E-V□□ WS02-CXPC1-EUP-V□□	End of May 2003	Upgraded version.
	WS02-CXPC1-JV3 WS02-CXPC2-JV3	WS02-CXPC1-JV□ WS02-CXPC2-JV□	End of March 2004	Upgraded version.
	WS02-CXPC1-JV4	WS02-CXPC1-JV□	End of October 2004	Upgraded version.
CX-Process	WS02-LCTC1-E□□	WS02-LCTC1-EV□□□	End of October 2002	Upgraded version.
	WS02-LCTC1-J□	WS02-LCTC1-JV□□	End of September 2002	Upgraded version.
	WS02-LCTC1-JV3	WS02-LCTC1-JV□	End of September 2004	Upgraded version.
	WS02-LCTC1-EV3	WS02-LCTC1-EV□	End of September 2004	Upgraded version.
MC Support Tool	WS02-MCTC1-J WS02-MCTC1-E	WS02-MCTC1-JV□ WS02-MCTC1-EV□	End of March 2002	Upgraded version.
MC Support Software CX-Position	WS02-NCTC1-J WS02-NCTC1-E	WS02-NCTC1-JV□ WS02-NCTC1-EV□	End of March 2005	Upgraded version.
Face Plate Auto-Builder for NS	WS02-NSFC1-J WS02-NSFC1-E	WS02-NSFC1-JV□ WS02-NSFC1-EV□	End of May 2004	Upgraded version.

Field Network Devices

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Remote Terminal	DRT1-ID16T(A) DRT1-ID16T(A)-1 DRT1-OD16T(A) DRT1-OD16T(A)-1 DRT1-MD16T(A) DRT1-MD16T(A)-1	DRT2-ID16TA DRT2-ID16TA-1 DRT2-OD16TA DRT2-OD16TA-1 DRT2-MD16TA DRT2-MD16TA-1	End of October 2005	Wiring for the internal circuit power supply is not required.
	DRT1-ID32ML DRT1-ID32ML-1 DRT1-OD32ML DRT1-OD32ML-1 DRT1-MD32ML DRT1-MD32ML-1	DRT2-ID32ML DRT2-ID32ML-1 DRT2-OD32ML DRT2-OD32ML-1 DRT2-MD32ML DRT2-MD32ML-1	End of October 2005	
Battery Unit	3G8B3-BA000	---	End of March 2005	
DeviceNet Configurator PC Card-type	3G8E2-DRM21-E	3G8E2-DRM21-EV1	End of March 2003	The external dimensions are different.
DeviceNet Configurator	3G8F5-DRM21-E	3G8F7-DRM21-E + WS02-CFDC1-E	End of March 2004	A combination of the DeviceNet Board and Configurator software. The interface is different.

Production Data Devices

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Productivity Monitor	TP100 Series	---	End of March 2005	

Wire-saving Devices/Transmission Devices

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
B1TS Sensor Chain	B1TS-E/-M/-S	---	End of March 2003	
CompoBus/S Slave	SRT1 Series Only SRT2-supporting models	SRT2 Series	End of March 2003	Upgraded version.
Optical Fiber Processing Kit	Z3CK-200A	---	End of March 2002	
Optical Connector Assembly	Z3C-D	---	End of March 2003	
	Z3C-H	---	End of March 2003	
	Z3C-L	---	End of March 2003	
Free-cut Optical Fiber Cord for Z3RB	Z3F-93Z Z3F-94Z	---	End of September 2002	
Fiber Chord with Both-end Connector	Z3F2-22N/-24N/-25N	---	End of September 2002	
	Z3F2-8L/-82L	---	End of September 2002	
	Z3F2-9D/-92D	---	End of September 2002	
Optical GP-IB Link	Z3GA	---	End of March 2002	
	Z3GB	Z3G	End of September 2002	Replacement of the optical fiber is also required.
Optical GP-IB Link (High-speed type)	Z3GD	---	End of March 2002	
Power Plug Cord for Optical Transmission	Z3GP-P01A2M	Z3P-DC	End of March 2004	Available for the new Z3R and Z3G optical transmission products only.
AC Adapter for Optical Transmission	Z3GP-01	Z3P-AC	End of March 2004	Available for the new Z3R and Z3G optical transmission products only.
	Z3GP-02	---	End of March 2002	
	Z3GP-03 Z3RP-01/-02	---	End of September 2002	
RS-232C Optical Interface	Z3RB Series	Z3R Series	End of September 2002	Replacement of the optical fiber is also required.
	Z3RM Series	Z3R Series	End of September 2002	The fiber, connection, and power supply specifications are different for some models.
	Z3RN Series	Z3R Series	End of September 2002	The fiber, connection, and power supply specifications are different for some models.
Optical Transfer Link	Z3S-PM08B1-D1	---	End of March 2002	Equivalent product: Oriental Electronics' SOT Series.
	Z3SD-01	---	End of March 2002	Equivalent product: Oriental Electronics' SOT Series.
	Z3S-SD01 Series	---	End of March 2002	Equivalent product: Oriental Electronics' SOT Series.

I/O Relay Terminals

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
G700 Remote Terminal	G700-EOD32-1 G700-SOC04(-C)	---	End of March 2003	
G730-□□□□C (Remote Sensor Terminal 4-point/8-point)	G730-ID04C(-A/-B) G730-ID08C(-B)	SRT2-ID08S/-ND08S	End of March 2003	Replacement of the entire system including the SYSMAC BUS Master is required.
G730-M/N Master Module Unit/ G730 Harness Adapter for Master Module	G730-MID32-B G730-MOD32(-A/-B) G730-NID32(-B) G730-NOD32(-B) G730-Y10(-1)	---	End of March 2003	

Servo Systems

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
ROM Cassette for Teaching Box	CVM1-MP702 CVM1-MP703	CVM1-MP702-V1 CVM1-MP703-V1	End of March 2002	Upgraded version.
Burnout Detection Unit	R88A-E11	---	End of March 2001	
AC Servo Motor/Driver	R88D-H□□□ R88M-H□□□□□	R88D-WT□□□ R88M-WP□□□□□	End of March 2005	Changes needed in all motors, drivers, and cables. The external and mounting dimensions are different.
	R88D-MT□□ R88M-M□□□□□	R88D-WT□□H R88M-W□□□□□	End of March 2004	Changes needed in all motors, drivers, and cables. The external and mounting dimensions are different.
	R88D-UEP□□□ R88M-UE□□□□-□S1 R88M-UE□□□□-□G□CJ	R7D-AP□□□ R7M-A□□□□-□S1 R7M-A□□□□-□S1+ R7G-□	End of March 2004	Some dimensions and specifications are different.
OMNUC U43, U45 Multi-axis Controller	3F2U4-3C1 3F2U4-5C1 4F2U4-2F1 4F2U4-2T2	---	End of March 2003	Consider substituting with an CS1W-MC421 or other MC Unit.
Pulse Multiplier Unit	3F88M-MP01	---	End of March 2001	
OMNUC N115 1-axis Positioner	3F88M-115A 3F88M-115F 3F88M-115MPG 3F88M-115A-E	3F88M-DRT141 + 3F88M-PRO01	End of March 2003	The external dimensions, wiring, and functions are different.

Inverters

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
High-function General-purpose Inverter	3G3FV-A4□□□-CE 3G8FV-B4□□□-CE	3G3FV-A4□□□-CUE 3G3FV-B4□□□-CUE	End of March 2002	
DeviceNet Interface Unit/Card	3G3FV-PDRT1-SINV1 3G3MV-PDRT1-SINV1	3G3RV-PDRT2 3G3MV-PDRT2	End of September 2004	
	3G3FV-PDRT1-SIN 3G3MV-PDRT1-SINV	3G3RV-PDRT2 3G3MV-PDRT2	End of March 2002	Upgraded version.
High-capacity General-purpose Inverter	3G3HV Series	3G3RV Series	End of March 2003	The external dimensions, wiring, and functions are different. Refer to the *3G3RV Replacement Instruction Sheet* (Cat No. **???**).
SYSBUS/2 Interface	3G3IV-PSIF	---	End of March 2003	
Ultra-compact Low Noise, General-purpose Inverter	3G3XV Series	3G3MV Series	End of March 2001	The dimensions and mounting method are different.
Ultra-compact Low Noise, General-purpose Inverter NEMA4 Model	3G3XV-A20□□-IP	3G3MV-A20□□ + BOX	End of March 2005	

Power Devices and Safety Protective Devices

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Leakage Current Selector	AGS-HN-F2	AGD-U2 + AGD-UE2	End of March 2004	The shape and mounting dimensions are different.
Subminiature Short-circuit Breaker	K6S (only standard models)	---	End of March 2002	Equivalent product: Tempearl Industrial Co.'s GR-7T-1

Power Supply

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Switching Power Supply	S8E1 (connector models)	S8E1 (front terminal or top terminal models)	End of March 2005	The terminal arrangement and connection method are different.
Switching Power Supply	S82F (entire series) S82G (entire series) S82L (entire series) S82H-P (entire series) S82D-3024/-6024	S82J Series S8PS Series S8VS Series	End of August 2004	The external dimensions and mounting method are different.
	S82J Series (top terminal or connector models)	S82J Series (front terminal models)	End of March 2005	The terminal arrangement wiring methods, and connection methods are different.
	S82J-□□□□ S82J-□□□□□□	S82J-□□□□□	End of March 2002	Some models were discontinued as of September 2000.
	S82K-24024 S82K-P24024 S82K-24024T	S8VS-24024 S8VS-24024A	End of March 2005	The external dimensions are different. Parallel operation is not possible.

Connectors

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Sensor I/O Connector	XS2F-☐42☐-K☐☐☐ XS2F-☐42☐-R☐☐☐	XS2F-☐42☐-☐☐☐-☐ (standard models)	End of September 2004	The external appearance is slightly different.
PGA Socket	XR3F Series	---	End of March 2007	

Common Sockets/Brackets

Product name	Discontinued product	Recommended substitute	Date of discontinuation	Remarks on substitute model
Socket	PF202	PL20	End of March 2006	Rear-connecting soldered terminals.
DIN-track Mounting Board	P1D Series P2D Series	---	End of March 2004	Equivalent product: Kasuga Electrics' TX and TT.
Front Connecting Socket	P2B	PF085A	End of March 2001	The external dimensions are different.