

OMRON



Promotion 2021

INTEGRATED | INTELLIGENT | INTERACTIVE

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Motor Condition Monitoring Devices

K6CM

- Reduce or avoid production downtime
- Multi-colour indicator for motor condition at a glance
- Current, temperature, vibration, insulation resistance can be monitored
- Allows user to adjust threshold level
- Remote monitoring for up to 10 motors



Diagnosis Type	Product Type	Power Supply Voltage	Model	Price	+ GST
Vibration & Temperature	Main Unit	24 VAC/VDC	K6CM-VBMD-EIP	\$849.00	+\$84.90
	Sensor		K6CM-VBS1	\$505.00	+\$50.50
Current	Main Unit	24 VAC/VDC	K6CM-CI2MD-EIP	\$1,099.00	+\$109.90
	5 A Current Transformer		K6CM-CICB005	\$85.00	+\$8.50
	25 A Current Transformer		K6CM-CICB025	\$130.00	+\$13.00
	100 A Current Transformer		K6CM-CICB100	\$155.00	+\$15.50

Thermal Condition Monitoring Devices

K6PM

- Three-step indication for the temperature status
- Advanced detection of temperature abnormality in panel boards
- Drastic reduction in diagnostic time through heat map
- Reduce cost for on-site attendance & maintenance checks
- Much wider field of view



Product Type	Model	Price	+ GST
Main Unit	K6PM-THMD-EIP	\$999.00	+\$99.90
Infrared thermal sensor	K6PM-THS3232	\$499.00	+\$49.90

DC Electronic Circuit Protectors

S8V-CP

- Isolate power from faulty devices reliably
- No disruption to other circuits - quick tripping of problem circuit only
- Space-saving
- Remote reset input
- Alarm outputs (MOSFET)
- Adjustable current output from 2 to 10A per branch circuit



Number of Outputs	Model	Price	+ GST
4	S8V-CP0424	\$145.00	+\$14.50
8	S8V-CP0824	\$265.00	+\$26.50

Long Range 1.5m Diffuse Reflective Sensor Packs

E3AS

- Long range 1.5m diffuse reflective
- I/O Link compatible sensor
- High reliability with time of flight method
- High consistency in detection regardless of colour and object material
- IP69K, detergent resistance, great for harsh environments such as F&B
- Innovatively designed for restricted and confined space



Product	Specifications	Model	Price	+ GST
E3AS-F1500IMT-M1TJ 0.3M M12 CABLE 5m	Settable distance from 50-1500mm, M12 QC, Antifouling Coating, I/O Link 230.4 kbps	E3AS-F1500 QC 5M CBL PACK	\$199.00	+ \$19.90

Stainless Steel Photoelectric Sensors

E3ZM

- Detergent resistant
- 10-30VDC
- IP67, IP69K
- Pre-wired
- PNP output



Product Type	Sensing Distance	Model	Price	+ GST
Retro-Reflective	100mm-4m (with E39-R1S)*	E3ZM-R81 2M	\$145.00	+ \$14.50
Through Beam	15m	E3ZM-T81 2M	\$195.00	+ \$19.50

Rectangular Sensors

E3JK

- Easy to wire and adjust
- Long distance sensing
- Visible spot beam
- Multi-voltage 24-240VAC/DC



Featuresw	Sensing Method	Sensing Distance	Model		Price	+ GST
			NPN Output	PNP Output		
Pre-Wired (2m)	Diffuse-reflective	300mm	E3JK-DR12 (Relay Output)		\$65.00	+ \$6.50
		2.5m	E3JK-DR11 (Relay Output)		\$70.00	+ \$7.00
Relay Output SPDT 3A 250VAC	Retro-reflective	9m (with E39-R1S)*	E3JK-RR11 (Relay Output)		\$76.00	+ \$7.60
	Retroreflective (MSR)	7m (with E39-R1S)*	E3JK-RR12 (Relay Output)		\$76.00	+ \$7.60
	Through-beam	40m	E3JK-TR11 (Relay Output)		\$86.00	+ \$8.60

*E39-R1S sold separately

High Performance Transparent Object Detection Sensor

E3S-DB

- Reliable transparent object detection
- New double-slit optic design improves stability
- IP69K, resistance to detergents certified by Ecolab



Connection Method	Sensitivity Adjustment	Sensing Method	Sensing Distance	Output	Model	Price	+ GST
M12 Connector	Smart teaching	Retro-Reflective (with MSR function)	500mm	PNP	E3S-DBP22	\$102.00	+\$10.20

Cylindrical Sensors

E3FA

- Light-ON / Dark-ON selectable
- Easy to wire and adjust
- Compact size, simple installation
- Long sensing distances
- Robust waterproof housing
- Visible spot beam
- 10-30VDC, IP67/IP69K



Features	Sensing Method	Sensing Distance	Model		Price	+ GST
			NPN Output	PNP Output		
M12 Connector	Diffuse-reflective	300mm	E3FA-DN22	E3FA-DP22	\$44.00	+\$4.40
	Retro-reflective	0.1 to 4m (with E39-R1S)*	E3FA-RN21	E3FA-RP21	\$44.00	+\$4.40
	Through-beam	20m	E3FA-TN21	E3FA-TP21	\$55.00	+\$5.50

*E39-R1S sold separately

Cylindrical Proximity Sensors

E2B

- DC 3-wire model
- IP67 for better protection in wet environments
- M12 connector
- Brass-nickel plated
- Normally open (NO) operation mode
- PNP output



Size	Shielding Type	Sensing Distance	Thread Length	Model	Price	+ GST
M12	Shielded	4mm	31mm	E2B-M12KS04-M1-B1	\$26.00	+\$2.60
	Non-shielded	8mm		E2B-M12KN08-M1-B1	\$27.00	+\$2.70
M18	Shielded		39mm	E2B-M18KS08-M1-B1	\$27.00	+\$2.70

Sensor Accessories

Application	Description	Model	Price	+ GST
Reflector	For E3S-DB	E39-R21	\$21.50	+ \$2.15
	For E3FA & E3JK	E39-R1S	\$8.75	+ \$0.88
Mounting bracket	Side mounting for E3S-DB	E39-L193	\$9.90	+ \$0.99
M12 Connecting cable	Straight, 2m Four-wire for E2B	XS2F-M12PVC4S2M	\$8.75	+ \$0.88
	L-Shaped, 2m Four-wire for E2B	XS2F-M12PVC4A2M	\$8.75	+ \$0.88

Signal Tower Packs

- Body unit, 90 dB buzzer, red, yellow and green LED
- IP65 LED signal tower
- Modular, 70mm diameter
- 24VDC, off white



Product	Specifications	Model	Price	+ GST
LED Signal Tower Bundle	Includes body unit, buzzer, red, yellow and green LED	LR7-SET	\$229.00	+ \$22.90

EtherNet/IP or Modbus enabled Switch Mode Power Supplies

S8VK-X

- Centralised monitoring of equipments' conditions
- Improved accuracy for maintenance planning
- Enhanced facility operating rate and optimised maintenance cost
- Indicates: Years and Percentage until replacement
- World's smallest power supplies with network function



Power Ratings	Output Voltage	Model	Price	+ GST
90W		S8VK-X09024A-EIP	\$219.00	+ \$21.90
120W	24V	S8VK-X12024A-EIP	\$249.00	+ \$24.90
240W		S8VK-X24024A-EIP	\$299.00	+ \$29.90

Three Phase Input Power Supplies



S8VK-T

- Accepts two or three phase AC source voltage
- Wide input range for worldwide applications
- High efficiency, with a typical rate of 91%

Capacity	Input Voltage	Output Voltage	Output Current	Model	Price	+ GST
120W	380 to 480VAC (2 or 3 phase) or 450 to 600VDC	24VDC	5A	S8VK-T12024	\$102.00	+ \$10.20
240W			10A	S8VK-T24024	\$166.00	+ \$16.60

Switch Mode Power Supplies

S8VK-C

- Universal input for worldwide applications
- 100 to 240VAC
- Direct DC input possible: 90 to 350VDC
- Operation temperature range: -25 to 60°C
- Compact dimensions for small spaces
- Easy DIN-rail mounting



Power Ratings	Input Voltage	Output Voltage	Output Current	Model	Price	+ GST
60W	100 to 240VAC	24VDC	2.5A	S8VK-C06024	\$39.00	+ \$3.90
120W			5A	S8VK-C12024	\$60.00	+ \$6.00
240W			10A	S8VK-C24024	\$108.00	+ \$10.80
480W			20A	S8VK-C48024	\$193.00	+ \$19.30

Compact Switch Mode Power Supplies

S8VK-S

- Push-in Plus terminals, PCB conformal coating
- Possible operation at ambient temperatures from -40 to 70°C
- DC input supported (90 to 350 VDC)
- Power Boost function at 120%
- 36% less in volume to achieve horizontal side-by-side mounting
- Vibration resistance to 5G, and 300-VAC abnormal input voltage supported for 1 second



Power Ratings	Input Voltage	Output Voltage	Output Current	Model	Price	+ GST
60W	100 to 240VAC	24VDC	2.5A	S8VK-S06024	\$49.00	+ \$4.90
120W			5A	S8VK-S12024	\$70.00	+ \$7.00
240W			10A	S8VK-S24024	\$119.00	+ \$11.90
480W			20A	S8VK-S48024	\$205.00	+ \$20.50

Digital Temperature Controller Packs

E5CC-800 Screw Terminals

- Visibility improved by 15.2mm, white PV display
- High-speed sampling at 50ms
- Short body with a depth of only 60mm
- Independent heating/cooling PID loops
- Comes with K type Thermocouple with 2m lead
- 150mm long with 5mm diameter stainless steel thermocouple probe



Control Output 1	Auxiliary Outputs	Power Supply Voltage	Model Controller	Model	Price	+ GST	
Relay	Two	100 to 240 VAC	E5CC-RX2ASM-800	E5CC STARTER PACK 1	\$155.00	+ \$15.50	
		24 VAC/DC	E5CC-RX2DSM-800	E5CC STARTER PACK 2	\$155.00	+ \$15.50	
Voltage		100 to 240 VAC	E5CC-QX2ASM-800	E5CC STARTER PACK 3	\$155.00	+ \$15.50	
		24 VAC/DC	E5CC-QX2DSM-800	E5CC STARTER PACK 4	\$155.00	+ \$15.50	

Slim I/O Relays

G2RV-SR

- Relay and base sold as one complete unit
- Mechanical indicator & integrated LED indicator on relay
- Downsize panels by 25% over previous Omron relays
- Push-in plus or screw type terminals



Input Voltage	Push-In Plus	Max Contact Rating	Model	Price	+ GST
24 VAC/DC	Push-In	6A	G2RV-SR500 AC/DC24	\$9.90	+ \$0.99
230VAC			G2RV-SR500 AC230	\$9.90	+ \$0.99
24 VAC/DC	Screw-In	6A	G2RV-SR700 AC/DC24	\$9.90	+ \$0.99
230VAC			G2RV-SR700 AC230	\$9.90	+ \$0.99

Slim Solid-State I/O Relays

G3RV-SR

- Relay and base sold as one complete unit
- Integrated LED indicator on relay
- Downsize panels by 25% over previous Omron relays
- Push-in plus terminals



Input Voltage	Load Type	Max Contact Rating	Model	Price	+ GST
24 VAC/DC	DC	3A	G3RV-SR500-D AC/DC24	\$40.00	+ \$4.00
	AC	2A	G3RV-SR500-A AC/DC24	\$40.00	+ \$4.00

Digital Meters

K3MA

- Multi-range inputs, depending on model
- Large, high visibility LED display
- Programmable display colours
- Scaling function



Meter Type	Input Signal	Output Type	Model	Price	+ GST
Process	4 to 20 mA, 4 to 20 mA, 0 to 5 V, -5 to +5 V, -10 to +10 V	2 Relays	K3MA-J-A2 100-240VAC	\$75.00	+ \$7.50
			K3MA-J-A2 24VAC/VDC	\$75.00	+ \$7.50
Frequency/Rate	NPN or PNP 0.05 to 30 Hz OR 0.05 to 5 kHz		K3MA-F-A2 100-240VAC	\$85.00	+ \$8.50
			K3MA-F-A2 24VAC/VDC	\$85.00	+ \$8.50

Slimline Timers

H3DT and H3DS

- Multiple time ranges and 8 operating modes let you cover a wide range of applications
- Start signal control for the H3DS-ML
- DIN rail mount, Only 17.5mm in width



H3DT



H3DS

Supply Voltage	Time Range	Control Output	Model	Price	+ GST
24 to 240 VAC/DC	0.1 sec to 1200 hours	DPDT (time-limit DPDT, or time-limit SPDT + instantaneous SPDT)	H3DT-N2	\$42.00	+ \$4.20
24 to 230 VAC 24 to 48 VDC	0.1 sec to 120 hours	Contact output, SPDT (timed output)	H3DS-ML	\$42.00	+ \$4.20

Digital Timers

H5CZ-L8

- Panel or DIN mount
- 8 pin plug-in
- Timer: 4 digit display, 15 operating modes



Pack	Input Voltage	Output	Specifications	Model	Price	+ GST
H5CZ-L8+P2CF-08	100-240 VAC	SPDT	10 time ranges between 0.001s to 9999hrs	H5CZ TIMER PACK	\$119.00	+ \$11.90

Panel mount adaptor sold separately

ZEN Programmable Relay Kits

- Includes smart relay, programming cable & software
- For small scale control
- Standard models, expandable up to 3 units
- 6 Inputs (Max 18 with expansions)
- 4 Relay outputs (Max 16 with expansions)
- DC-powered model comes with 2 x 0-10V analog inputs



Supply Voltage	Model	Price	+ GST
100-240VAC	ZEN-KIT01-EV5	\$260.00	+ \$26.00
12-24VDC	ZEN-KIT02-EV5	\$260.00	+ \$26.00

Micro Automation Packs

- All devices powered by 24VDC with ethernet connectivity
- CX-One or Sysmac Studio Lite version license



Controller	Colour Touch Screen	Software	Model	Price	+ GST
CP1L-EL20DR-D 12 Inputs / 8 relay outputs	NB series, 5.6" 320 x 234 pixels NB5Q-TW01B	CX-One Lite CXONE-LT01D-V4	MICROPK1	\$995.00	+\$99.50
CP1L-EM30DR-D 18 Inputs / 12 relay outputs			MICROPK2	\$1,095.00	+\$109.50
CP1L-EM40DR-D 24 Inputs / 16 relay outputs			MICROPK3	\$1,195.00	+\$119.50
NX1P2-9024DT1 Machine Automation Controller 14 Inputs / 10 PNP outputs, EtherCAT, EtherNet/IP	NA series, 7" 800 x 480 pixels NA5-7W001B	SYSMAC Studio Lite Edition SYSMAC-LE201L	NX1P2-9024DT1 NA5 SYSMAC	\$2,750.00	+\$275.00
5-port Industrial Switch (unmanaged), with QoS			W4S1-05B	\$175.00	+\$17.50

Remote Monitoring Starter Packs

Remote monitoring kit with the SMS, email, GPS & remote operation & programming functionality. The NX1P2 pack also comes with the MQTT protocol, the standard for IoT cloud integration. Ideal for applications such as:

- Energy management
- Remote pump stations
- Automated gates & doors
- Tank or silo level monitoring
- Remote alarming

For optional OMRON VPN service contact your local OMRON Representative



Controller	Modem	Colour Touch Screen	Software	Model	Price	+ GST
CP2E-N20DR-D 12 Inputs / 8 relay outputs with Ethernet Comms	Intercel eSam Modem 3G/4G, LAN, Serial, 2x GPIO ASSESAM4QX	NB series, 5.6" 320 x 234 pixels NB5Q-TW01B	CX-One Lite CXONE-LT01D-V4	CP NB REMOTE KIT	\$1,050.00	+\$105.00
NX1P2-9024DT1 Machine Automation Controller 14 Inputs / 10 PNP outputs, EtherCAT, EtherNet/IP	Intercel Ultra eSam Modem 3G/4G, LAN, WAN/LAN, WIFI, Serial, 2x GPIO ASSULTRAESAM4QX	NA series, 7" 800 x 480 pixels NA5-7W001B	SYSMAC Studio Lite Edition SYSMAC-LE201L	NX1P2 NA5-7 REMOTE KIT	\$2,885.00	+\$288.50

Programmable Safety Controller Packs

NX EIP Safety Pack (expandable, stand-alone safety controller, with EtherNet/IP)

- NX-Series EtherNet/IP coupler (programming and communication)
- NX-SL3300 safety CPU (allows expansions up to 256 safety I/O)
- 2 x NX-SID800 input module
- 2 x NX-SOD400 output module
- Sysmac Studio Safety version license



G9SP Safety Pack (Stand-alone, allows expansion for non-safety I/O and optional Ethernet or RS232C boards)

- G9SP-N20S + Software + 2 x G7SA-3A1B DC24 + 2 x P7SA-10F-ND
- Reconfigurable, flexible and simple



Product	Safety Rating	Specifications	Model	Price	+ GST
NX EIP Safety Pack	PLe, SIL3	NX-SL Safety CPU with 16 Safety Inputs and 8 Safety Outputs and EtherNet/IP Comms	EIP SAFETY CONTROL PACK	\$995.00	+ \$99.50
G9SP Safety Pack	PLe, SIL3	20 Safety Inputs, 8 Solid State Safety Outputs and 6 Test Pulse	SAFETYPK-G9SPN20S-G7SA-P7SA	\$795.00	+ \$79.50

Non Contact Safety Door Switches

F3S-TGR

- RFID technology used for greater tamper resistance
- Mechanically tolerant, accepts minor misalignment
- Option for master code (any key) or unique code (single key)



Product	Safety Rating	Specifications	Model	Price	+ GST			
Non Contact Safety Door Switch Unique code	Up to PLe, SIL3	Unique code	F3S-TGR-NLPU-21-05 F3S-TGR-NLPM-21-05 F3S-TGR-NSPM-21-05	\$109.00	+ \$10.90			
Non Contact Safety Door Switch Master code		Master code						
Non Contact Safety Door Switch Master code (Short Body)								

Safety Monitoring Relays

G9SE-201

- Compact (17.5mm width) safety monitoring relay
- Single or dual channel inputs, with LED indications
- Auto or manual reset



Product	Safety Rating	Specifications	Model	Price	+ GST
Safety Monitoring Relay	PLe, SIL3	2 x 5A Relay Outputs 1 x Transistor PLe, SIL3 Aux Output	G9SE-201 DC24	\$129.00	+ \$12.90

MicroHawk MV40 Smart Camera Pack

- All in one smart camera with vision tools
- Autofocus and IP67 protection standard
- Interfaces for EtherNet/IP, Profinet I/O and RS232
- Configurable via downloadable software



Type	Camera	Lighting	Accessories Inclusions	Model	Price	+ GST
MV40 1.2MP Package	1.2M Pixels, monochrome, auto-focus, 42 fps Global Shutter, AutoVision Tools	White LED	120W PS, 3M power cable, 3m ethernet comms cable, brackets	MV40 1.2MP Package	\$1,995.00	+ \$199.50

Variable Speed Drives

3G3MX2 Inverter

- Simple positioning and PID control
- Built-in STO Safety (Cat 3/PLd)
- Modbus RTU on-board, option cards for EtherCAT, Ethernet/IP and other common protocols



3G3RX2 Inverter

- High capacity drive, with EMC filter and colour display
- Triple power rating and energy-saving
- Built-in STO safety (Cat 4/PLe)
- Modbus RTU on-board



Type	Power	Inverter Model	Price	+ GST	Filter Model	Price	+ GST
1 Phase 200V	0.4kW	3G3MX2-AB004-V1	\$235.00	+ \$23.50	AX-FIM1010-SE-V1	\$23.00	+ \$2.30
	0.75kW	3G3MX2-AB007-V1	\$250.00	+ \$25.00	AX-FIM1014-SE-V1	\$28.00	+ \$2.80
	1.5kW	3G3MX2-AB015-V1	\$275.00	+ \$27.50	AX-FIM1024-SE-V1	\$35.00	+ \$3.50
	2.2kW	3G3MX2-AB022-V1	\$425.00	+ \$42.50			
3 Phase 400V	0.4kW to 0.75kW	3G3MX2-A4007-V1	\$285.00	+ \$28.50	AX-FIM3005-SE-V1 or AX-FIM3005-SE-LL (low leakage)	\$45.00	+ \$4.50
	1.5kW	3G3MX2-A4015-V1	\$325.00	+ \$32.50	AX-FIM3010-SE-V1	\$57.00	+ \$5.70
	2.2kW to 3.0kW	3G3MX2-A4030-V1	\$400.00	+ \$40.00		\$74.00	+ \$7.40
	4.0kW	3G3MX2-A4040-V1	\$500.00	+ \$50.00	AX-FIM3014-SE-V1	\$62.00	+ \$6.20
	5.5kW	3G3MX2-A4055-V1	\$610.00	+ \$61.00	AX-FIM3030-SE-V2	\$158.00	+ \$15.80
	7.5kW	3G3MX2-A4075-V1	\$730.00	+ \$73.00		-	-
	11.0kW	3G3MX2-A4110-V1	\$995.00	+ \$99.50		-	-
	15.0kW	3G3MX2-A4150-V1	\$1,260.00	+ \$126.00		-	-
3 Phase 400V	18.5kW	3G3RX2-A4185	\$1,550.00	+ \$155.00	Built-in EMC filter	-	-
	22kW	3G3RX2-A4220	\$1,890.00	+ \$189.00		-	-
	30kW - 37kW	3G3RX2-A4370	\$2,835.00	+ \$283.50		-	-
	45kW - 55kW	3G3RX2-A4550	\$3,780.00	+ \$378.00		-	-
	75kW	3G3RX2-B4750	\$5,775.00	+ \$577.50		-	-
	90kW - 110kW	3G3RX2-B411K	\$8,250.00	+ \$825.00		-	-
Type	Description				Model	Price	
EtherCAT interface	For 3G3MX2 series only (Cannot be used with 3G3RX2 series)				3G3AX-MX2-ECT	\$165.00	+ \$16.50

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