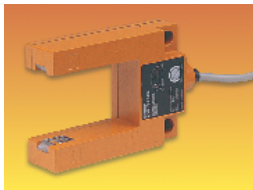


Description	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
Retro-Reflective					
Pre-wired, transistor out	E3G-R13	310-8739			
Plug-in, transistor out	E3G-R17	310-8740			
Universal I/P, Relay O/P	E3G-MR19	310-8752			
Universal I/P, Relay O/P, timer	E3G-MR19T	310-8764			
Background Suppressed					
Pre-wired, transistor out	E3G-L73	310-8776			
Plug-in, transistor out	E3G-L77	310-8788			
Universal I/P, Relay O/P	E3G-ML79	310-8790			
Universal I/P, Relay O/P, timer	E3G-ML79T	310-8806			
Brackets					
For E3G-R1/L7		310-8818			
For E3G-R1/L7, rear mounting		310-8820			
For E3G-MR/ML, cable downwards		310-8831			
For E3G-MR/ML		310-8843			
Reflector					
For E3G-R/MR		310-9239			

Slot Sensor – E3S-GS Series



- Sensor detects marks on transparent, opaque or translucent targets with sensing range of 30mm
- Robust metal body, protected to **IP67**
- LED indication of output and stability status
- Adjustable sensitivity
- Operation mode is wire selectable
- Direct switching of NPN or PNP loads

H = 52, W = 20, L = 80, Fixing centres = 40 (Dia. 6.5), Slot W = 30, D = 45, Cable L = 2m

Sensing distance	30mm	Output current (max.)	NPN 80mA, PNP 100mA
Supply current	12 to 24V dc	Response time (max.)	1ms
Current operation	40mA	Operating temperature	-20°C to +55°C

Mftrs. List No's. E3S-GS3E4 = 532-289, E3S-GS3B4 = 532-290

SEN148X

Output	Order Code	Price Each		
		1+	5+	10+
NPN	.532-289			
PNP	.532-290			

Controller – S3D2



- Compact multifunction controller for one or two proximity or photoswitches
- Programmable relay output – on-delay, off-delay or one-shot operation
- 'AND' or 'OR' logic functions can be configured
- 'Leading edge' facility

When two sensors are used to inspect an object on a production line the 'leading edge' facility of the controller can be set to only operate on the first 0.1ms of one of the input signals. This is particularly useful in 'GATE' and 'CHECK' applications allowing high speed detection, e.g. whether a bottle has a cap, whether a syringe has a needle, missing labels.

H = 80, W = 30, D = 78

Supply voltage	100 to 240V ac $\pm 10\%$ 50/60Hz
Power consumption	15VA max.
Sensor supply	12V dc, 200mA max.
Input signal	NPN : ON, 0 to 4V (5mA min.), OFF, 8 to 12V (2mA max.)
Response time	0.1ms
Control output	SPDT, 3A max. @ 250V ac
Time range	0.1 to 1 sec., 1 to 10 sec., selectable
Temperature range	-10°C to +55°C

SEN149X

Mftrs. List No.	Order Code	Price Each		
		1+	5+	10+
S3D2-CK	532-381			

Controllers – S3 Series



- Plug-in power supply for E3S/E3N photo-electrics
- Operate via 110/240V ac dual voltage input
- Incorporates 3A, 240V ac output relay changeover contacts
- Screw terminal connection base supplied

170-544: H = 60, W = 74, D = 112
170-545/6: H = 49, W = 61, D = 109



Operation Mode

170-544 – Output operation synchronised with photoelectric sensing condition
 170-545 – Output operation controllable through adjustment of on and off time delay
 170-546 – Output operation programmable through DIP switch selection, options are:

- 1) output relay normally energised or de-energised;
- 2) time delayed or minimum time output regardless of input signal;
- 3) on delay or off delay;
- 4) adjustable time 0.1 to 1s or 1 to 10s

Mftrs. List No. S3S-A10 = 170-544, S3S-B10 = 170-545, S3S-C10 = 170-546

SEN84X

Type	Order Code	Price Each		
		1+	5+	10+
Standard	170-544			
On and off delay	170-545			
Programmable	170-546			

Polarised Reflex – E3JK



- Polarised light gives reliable detection of shiny objects
- Light-on/Dark-on operation and NPN/PNP outputs selectable
- Light received indicator
- ABS plastic housing protected to **IP64**
- Bracket, fixings and reflector supplied

H = 50, W = 17.6, D = 50 (without bracket), Cable L = 2m

Sensing range	2m	Response time	30ms
Supply voltage	12 to 240V dc $\pm 10\%$ 24 to 240V ac $\pm 10\%$ 50/60Hz	Sensitivity	Fixed
Control output	Open collector NPN/PNP 100mA @ 30V dc	Temperature range	-30°C to +70°C

Mftrs. List No. E3JK-R2R3 = 177-895, E39-R1 = 177-866

SEN86X

	Order Code	Price Each		
		1+	5+	10+
Photoswitch	177-895			
Spare reflector	177-866			

E3JK series



- Built in amplifier to accept wide supply voltage
- Slim design
- Light-ON/Dark-ON operation selectable
- Light receiving indicator
- ABS plastic housing protected to **IP64**



Body: H = 50, D = 50, W = 17.4

Power supply	12 to 24 Vdc $\pm 10\%$ 24 to 240 Vac $\pm 10\%$, 50/60Hz
Control output	3A max at 250Vac (cos ϕ = 1), 10mA min at 5 Vdc 100 mA at 48 Vdc; leakage current: 0.1 mA max
Response time	30 ms max
Operating temperature	-25°C to +55°C

Order Code	Sensing Source	Mode	Current	Sensitivity
357-4453	5m	light-ON	3W max	Fixed
357-4465	5m	dark-ON	3W max	Fixed
357-4477	2.5m	light-ON	2W max	Fixed
357-4489	2.5m	dark-ON	2W max	Fixed
357-4490	4m	light-ON	2W max	Fixed
357-4507	4m	dark-ON	2W max	Fixed
357-4519	30cm	light-ON	2W max	Adjustable
357-4520	30cm	dark-ON	2W max	Adjustable

SEN407/S1

	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
Through-beam	E3JK-5M1	357-4453			
Through-beam	E3JK-5M2	357-4465			
Retroreflective	E3JK-R2M1	357-4477			
Retroreflective	E3JK-R2M2	357-4489			
Retroreflective	E3JK-R4M1	357-4490			
Retroreflective	E3JK-R4M2	357-4507			
Diffuse reflective	E3JK-DS30M1	357-4519			
Diffuse reflective	E3JK-DS30M2	357-4520			
Spare reflector	E39-R1	177-866			

Continued