

Photoswitches – Optical Proximity — continued

Diffuse, with Background Suppression, **DATA LOGIC DL** Polarised Reflex and Separate – S30 Series



H = 103 (inc. connector), W = 32, D = 73, (Bracket supplied, all types; Reflector supplied with reflex types)

- Multi-voltage supply 15–264V ac/dc with SPCO relay output
- Reinforced plastic IP67 housing with screw terminal connection
- Standard sensitivity regulation on all models
- Dark-on/light-on output switching selection
- Two red LEDs indicate output status
- Background suppression version has long range up to 1.1 metres
- Green stability LED
- Through-beam version has 50m range, transmitter and receiver available separately
- Integral multi-function timer versions also available

High performance photocell particularly suited for use in harsh environments, for example, conveyor systems and palletising equipment.

Sensing distance		Output	SPCO relay 3A @ 240V ac
Diffused	2m	Response time	20ms
Polarised reflex	8m	Temperature range	-20°C to +55°C
Separate	50m	Timer functions	Normal, on-delay, off-delay, on/off delay, one shot
Background suppression	0.2–1.1m	Timer range	0.02 to 2s, 0.2 to 12s
Supply voltage	17 to 264V ac/dc		
Current consumption	4VA		

Mfrs. List No's.	S30-1-B8-1 = 731-547,	S30-1-C200-1 = 731-523,	S30-1-F50-1 = 731-572,
	S30-1-B8T-1 = 731-559,	S30-1-C200T-1 = 731-535,	S30-1-G50-1 = 731-560,
	S30-1M110-1 = 721-2574.		

SEN197

Type	Order Code	Price Each		
		1+	5+	10+
Diffuse	731-523			
Diffuse with timer	731-535			
Polarised reflex	731-547			
Polarised reflex with timer	731-559			
Separate emitter	731-560			
Separate receiver	731-572			
Diffuse with background suppression	721-2574			

Diffuse with Background Suppression – S20-M **DATA LOGIC DL** Touch-to-Teach



- Microprocessor based 'touch-to-teach' setting
- 100mm to 500mm operating range, with background suppression
- LEDs indicate output status and operation status
- Light-on/dark-on operation is wire selectable
- Compact ABS housing with IP66 protection
- Supplied with mounting bracket

Body H = 65, W = 20, D = 55, Cable L = 2m

Operating distance	100 – 500mm
Power supply	10 – 30V dc, reverse polarity protected
Output	PNP open collector
Output current	200mA with short-circuit protection
Response time	1ms
LED indication	Output = Yellow, Ready = Green, Alarm = Red
Light source	Visible red
Setting	Touch-to-Teach 'set' button
Data retention	EEPROM non-volatile memory

SEN361

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
S20-2-M-P+CRD263	724-8581			

Miniature Photoswitches Integral Amplifier



Diffuse, Reflex, Through beam -H = 40 (body), W = 10, D = 13.5
Background suppression - H = 32 (body), W = 20, D = 13, Fixing centres 14.5 (M3)

- Miniature photoswitches with integral amplifier
- Diffuse, background suppression, polarised reflex and through beam versions available
- Prewired
- Sensitivity adjustment
- Light on/dark on selectable via wiring
- IP67 protection
- Reflex supplied with reflector
- Supplied with 2 metre cable
- Complete with mounting bracket



Sensing Distance	Diffuse	250mm		
	Background suppression	80mm		
	Polarised reflex	1.5m		
	Through beam	4m		
Supply voltage	10-30V dc	Output current	100mA max	
Output	PNP or NPN	Switching frequency	500Hz	

SAT431

Output	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Diffuse					
PNP	RMD/2P-C	335-2754			
NPN	RMD/2N-C	335-2766			
Background suppression					
PNP	RMS/8P-C	335-2778			
NPN	RMS/8N-C	335-2780			
Polarised reflex					
PNP	RMP/1P-C	335-2791			
NPN	RMP/1N-C	335-2808			
Through beam					
PNP	RMT/4P-C	335-2810			
NPN	RMT/4N-C	335-2821			

Self-teach Sensors Diffuse and Polarised Reflex



- One touch self-teach
- 4m diffuse (RJD) and 10m reflex (RJP)
- NPN-PNP or relay
- N/O-N/C selectable
- Adjustable On/Off delay timer
- Keyboard lock
- Alignment and dirty optics indicators
- Screw terminals



H = 80 (body), W = 29, D = 60				
Output	NPN/PNP or relays	Output load	100mA (3A 250Vac for relay)	
Timer	40ms - 11 sec (0.5s intervals)	Supply voltage	Solid state - 10 to 30Vdc	
Op. Temp	0 to 60°C	Relays	- 20 to 250Vac	

SAT423

Output	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Relay-4m diffuse	RJD/04-R	335-3400			
Solid state-4m diffuse	RJD/04-S	335-3412			
Relay-10m polar	RJP/10-R	335-3424			
Solid state-10m polar	RJP/10-S	335-3436			

Self-teach Intelligent Sensors



- One touch self-teach
- Diffuse, transparent object and polarised reflex
- NPN-PNP, N/O-N/C selectable
- Adjustable On/Off delay timer
- Keyboard lock
- Alignment and dirty optics indicators
- M4 screw or DIN rail mounting



Supply voltage	10-30Vdc	Output	NPN, PNP, N/O, NC selectable
Output current	100mA	Timer	40ms-5s (0.5s intervals)
Connector	M8 4 pin	Op. Temp.	0 to +60°C

SAT424

Plug-in	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
0.8m transp. object	CLB/01-C	335-2833			
1.4m transp. object	CLB/02-C	335-2845			
2m polar	RP2/02-C	335-2857			
0.5m diffuse	RD2/05-C	335-2869			
Prewired					
2m polar	RP2/02-P	335-2870			
0.5m diffuse	RD/05-P	335-3280			