

Photoswitches – Optical Proximity — continued

Polarised Reflex – W36 Series



- Switch selectable time delays
- Sensitivity control
- PG11 cable gland
- Light/dark operation (switch selectable)
- Enclosure sealing to IP67
- Terminal chamber connection
- Test input and alarm output (transistor output type)



A high performance and robust polarised reflex sensor suitable for use on conveyor systems and all automated machinery. Available for 10-30V dc supply with NPN/PNP transistor output or for 24-240V ac/dc supply with SPCO relay output. Adjustable mounting bracket and choice of reflectors available separately.

H = 85 (excl. connector), W = 36, D = 72

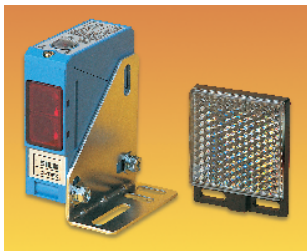
Max. sensing distance	15m (with 730-440 reflector), 12mm (with 730-439), 11m (with 730-427)
Supply voltage	10-30V dc (730-257), 24-240V ac/dc (730-269)
Output	NPN/PNP transistor (730-257), SPCO relay 3A 250V ac (500VA)
Power consumption	40mA (730-257), 2VA (730-269)
Time delays	0.02-1s (730-257), 0.5-12s (730-269)
Response time	1.25ms (730-257), 20ms (730-269)

Mfrs. List Nos. WL36-B230 = 730-257, WL36-R230 = 730-269, 2005806 = 730-270

SEN218X

	Order Code	1+	5+	10+
Photoswitch, transistor output	730-257			
Photoswitch, relay output	730-269			
Mounting bracket	730-270			

Polarised Reflex – W260 Series



- SPNO relay output
- Light/dark operation (switch selectable)
- Protection to IP66
- Mounting bracket and cable gland supplied
- Adjustable sensitivity
- UL and CSA approved
- Reflector supplied with reflex types
- Reflex types use polarised red light thereby eliminating risk of malfunction due to shiny surfaces
- Terminal chamber connection with 2-position cable entry gland



H = 77.5, W = 25, D = 63, Reflector (overall) = 60.9 50.9

- Polarised reflex type available with or without time delays

Sensing distance	Diffuse = 2m, Diffuse with background suppression = 800, Polarised reflex = 5m
Light source	Diffuse types = infra-red, reflex types = visible red with filter
Supply voltage	12-240V dc, 24-240V ac
Output	SPNO relay 3A @ 240V ac/30V dc
Power consumption	2VA
Response time	20ms
Time delays (timer version)	OFF-delay/ON-delay (switch selectable), delay adjustable 0.1-5s

SEN224X

	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse	WT260-S250	723-4594			
Diffuse with background suppression	WT260-S260	723-4600			
Polarised reflex	WL260-S230	730-282			
Polarised reflex with timer	WL260-R270	730-294			

Diffuse with Background Suppression, Polarised Reflex Long Range – W27-2 Series



- Long scanning distances
- Insensitive to external light sources
- Chemically resistant, ultrasonically welded case
- Polarised reflex types allow detection of objects with shiny surfaces
- Diffused type will suppress unwanted reflections from backgrounds very close to the target object
- SPCO relay output
- Light/dark operation (by control wire)
- Plastic housing sealed to IP67
- Selectable time delays
- UL and CSA approvals
- Mating 6-pole connector for plug-in types available separately
- Adjustable mounting bracket available separately



H = 80 (excl. connector), W = 24, D = 53.5, H = 138 (incl. bracket)

Sensing distance	Reflex = 14m, Diffuse = 100 to 1500mm	Response time	6ms
Supply voltage	24 to 240V ac/dc	Power consumption	2VA
Output	SPCO relay, 150VA	Time delays	0.5-10s

SEN220X

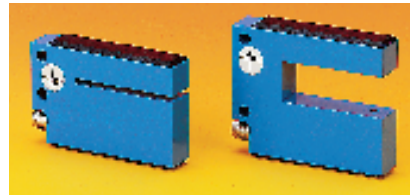
Prewired (2m Cable)

	Mfrs. List No.	Order Code	1+	5+	10+
Polarised reflex	WL27-2S132	722-9630			

Plug-In (6-Pole)

Diffuse with background suppression, with timer	WT27-2R610	730-324			
Polarised reflex with timer	WL27-2R630	722-9641			
Mating connector	6006685	730-336			
Mounting bracket	2009122	730-348			

Slot Sensors – WF Series



WF2: Slot W = 2, D = 40, Body H = 37, W = 12, D = 60
WF15: Slot W = 15, D = 40, Body H = 50, W = 12, D = 60
WF30: Slot W = 30, D = 40, Body H = 65, W = 12, D = 60

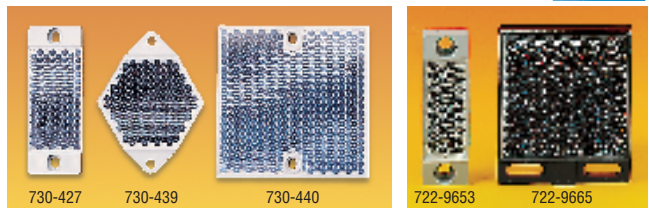
- Choice of slot widths including 2mm slot type for label detection
- Solid aluminium housing
- Simple and accurate sensitivity adjustment by 25-turn potentiometer
- Choice of PNP/NPN and light-on/dark-on switching (wire selectable)
- 4-pin M8 plug connection

Light source	Infra-red LED
Supply voltage	10 – 30V dc
Switching output	PNP/NPN, light/dark switching
Response time	Label sensor = 30µs, 15/30mm slot sensors = 1ms
Operating temperature	-20°C to +60°C

SEN340

Slot Width	Mfrs. List No.	Order Code	1+	5+	10+
2mm	WF2-B4210	723-4569			
15mm	WF15-B4150	723-4570			
30mm	WF30-B4150	723-4582			

Reflectors



Overall dims:	730-427:	H = 82, W = 30, D = 7.2, Fixing centres = 71	(Dia. 4.5)
	730-439:	H = 78, W = 60, D = 8, Fixing centres = 68	(Dia. 4.8)
	730-440:	H = 84, W = 84, D = 8.5, Fixing centres = 68-71	(Dia. 4.5)
	722-9653:	H = 60, W = 18, D = 7.3, Fixing centres = 50	(Dia. 4.6)
	722-9665:	H = 60.9, W = 50.9, D = 8.5, Fixing centres = 30	(Dia. 4.3)

High performance prismatic reflectors.

Mfrs. List Nos. PL30A = 730-427, PL50A = 730-439, PL80A = 730-440, PL20A = 722-9653, P250 = 722-9665.

SEN217X

	Order Code	1+	5+	10+	25+	50+
Rectangular, 82 30mm	730-427					
Hexagonal, 78 60mm	730-439					
Square, 84 84mm	730-440					
Rectangular, 60 18mm	722-9653					
Square, 61 51mm	722-9665					

M18 Diffuse and Polarised Reflex – S5 Series

Prewired and M12 Plug-in



Thread = M18, Cable L = 2m
731-470: L = 55
731-481/731-493: L = 65 (excl. cable sleeve)
Reflector supplied with reflex type

- Available AC and DC versions
- M12 connector option (DC types only)
- DC versions have wire selectable NPN/PNP, light-on/dark-on output
- Long range version has sensitivity trimmer and green stability LED
- AC version is multi-voltage 15-264V ac with light-on output
- Plastic housing giving IP67 protection
- Red LED output indication