

Diffuse, Polarised Reflex Miniature Prewired – W150 Series

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- Miniature photoswitches with integral amplifier
- Sensitivity adjustment by potentiometer
- Light-on/dark-on operation selected by control wire
- UL approval ● IP67 protection
- Reflex type supplied with PL20A reflector
- Supplied with mounting bracket

H = 28 (body), W = 10, D = 17, Cable L = 2m

Sensing distance (max.) Diffuse = 200, Diffuse with background suppression = 100, Polarised reflex = 2m
 Supply voltage 10 – 30V dc
 Output PNP or NPN transistor
 Output current 100mA max.
 Switching frequency 1000 per sec.

SEN341

Output	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse					
PNP	WT150-P132	.722-9392			
NPN	WT150-N132	.722-9409			
Diffuse with Background Suppression					
PNP	WT150-P162	.722-9410			
NPN	WT150-N162	.722-9422			
Polarised Reflex					
PNP	WL150-P132	.722-9434			
NPN	WL150-N132	.722-9446			

Diffuse, Polarised Reflex – W160 Series Prewired and Plug-in

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- Sensitivity adjustable by potentiometer
- Alarm output (forewarning of failure)
- UL and CSA approvals
- Sealed to IP67
- Light/dark operation (via control wire)
- Available prewired or M8 plug-in connection
- Reflex type supplied with P250 reflector

H = 42, W = 11, D = 23, Reflector (overall) = 60.9 50.9

A self-contained miniature sensor for a wide range of industrial applications, and particularly suitable as a PLC input device. Both reflex and diffuse types have modulated visible red light. Reflector supplied with reflex type.

Max. scanning distance Reflex = 2m, Diffuse = 300mm
 Supply voltage 10-30V dc
 Output PNP transistor

Response time 0.9ms
 Operating temperature -25°C to +55°C
 Connection M8, 4 pin, screw-lock

SEN222X

Diffuse	Mfrs. List No.	Order Code	1+	5+	10+
Prewired	WT160-P182	.722-9574			
M8 Plug-in	WT160-P480	.730-385			
Polarised Reflex					
Prewired	WL160-P142	.722-9586			
M8 Plug-in	WL160-P440	.730-373			

Diffuse, Polarised Reflex – W12 Series With Background Suppression, Transparent Object Sensor

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H = 49.2, W = 15, D = 43

- Metal housing (zinc diecast)
- Sensitivity control
- Insensitive to external light sources
- Switching outputs short circuit protected
- Blinking signal strength indicator (reflex and both diffuse types)
- Transparent object sensor has polarised reflex sensing, and reliably detects glass and plastic products, transparent film etc.
- Light/dark operation (via control wire) on transparent object sensor
- Plug-in type has 5-pin M12 connection
- Supplied with 2 fixing clamps
- Adjustable mounting bracket available separately
- IP67 protection

Sensing distance Diffuse = 600, Diffuse with background suppression = 250, Reflex = 2m, Transparent object sensor = 1.5m
 Supply voltage 10 – 30V dc
 Output PNP/NPN (transparent object sensor), PNP (others)
 Response time Diffuse types = 500µs, Reflex types = 360µs

SEN219X

	Mfrs. List No.	Order Code	1+	5+	10+
Prewired					
Diffuse	WT12-2P150	.722-9598			
Diffuse with background suppression	WT12-2P130	.722-9604			
Polarised reflex	WL12-2P130	.722-9616			
Plug-In					
Transparent object sensor	WL12-2B560	.730-300			
Mounting bracket	2013942	.730-312			

Diffuse with Background Suppression, Polarised Reflex – W18-2 Series Long Range

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- Diffuse type has scanning distance adjustable 50 to 700mm with background suppression
- Polarised reflex type suitable for glossy object detection
- Insensitive to external light sources
- Chemically resistant, ultrasonically welded case
- Protection to IP67

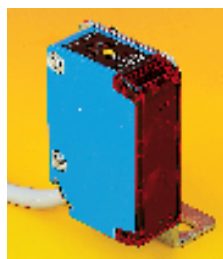
Scanning distance Diffuse = 50 to 700mm, Reflex = 7m
 Supply voltage 10 to 30V dc
 Output PNP transistor
 Response time Diffuse = 700µs, Reflex = 500µs

H = 75, W = 17, D = 32.5, H = 116 (incl. bracket), Cable L = 2m.

SEN221X

	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse with background suppression	WT18-2P112	.730-350			
Polarised reflex	WL18-2P132	.722-9628			
Mounting bracket	2009317	.730-361			

Diffuse with Background Suppression, Polarised Reflex PNP or Relay Output; Prewired – W250 Series

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H = 60, W = 20, D = 43, Cable L = 2m

- Robust and compact plastic housing
- Choice of SPCO relay or PNP transistor output
- Detection distance setting with position indicator
- Diffused types have 150 – 500mm scanning range with background suppression
- Polarised reflex types suitable for detecting objects with glossy surfaces
- Light/dark switching selectable by control line (PNP types)
- Reflector supplied with reflex types
- IP67 protection ● UL approval
- Supplied with mounting bracket

Sensing distance Diffuse = 150 to 500mm, Reflex = 0.01 to 8m
 Output PNP open collector or SPCO relay
 Output current PNP types = 100mA, Relay types = 3A @ 240V ac/30V dc
 Supply voltage PNP types = 10 to 30V dc, Relay types = 24 to 240V ac, 12 to 240V dc
 Switching mode PNP types = light/dark switching (via control line), Relay types = light switching
 Switching frequency PNP types = 700 per sec, Relay types = 33 per sec.

SEN339

Output	Mfrs. List No.	Order Code	1+	5+	10+
Diffuse with Background Suppression					
PNP	WT250-P162	.722-9458			
Relay	WT250-S162	.722-9460			
Polarised Reflex					
PNP	WL250-P132	.722-9471			
Relay	WL250-S132	.722-9483			

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