

## PHOTOELECTRIC SENSORS



### GENERAL PURPOSE - Cage Clamp Terminals (Multi-voltage 12 - 240V AC/DC)

Plastic Rectangular

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
LA39/LK39-Z/31/40a/116	THRU - TYPE	0 - 30m	Timed relay	Light / dark ON
RLK39-54-Z/31/40a/116	RETRO	0 - 7m	Timed relay	Light / dark ON
RLK39-8-800-Z/31/40a/116	DIFFUSE	0 - 800mm	Timed relay	Light / dark ON

Note: Units come complete with mounting brackets & reflectors

### M18 Ø BARREL TYPE - Plug-in (10 - 30VDC)

Nickel Plated

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
OBE10M-18GM60-SE5-V1	THRU - TYPE	0 - 10m	PNP 100mA	Light / dark ON
OBE10M-18GM60-SE4-V1	THRU - TYPE	0 - 10m	PNP 100mA	Light / dark ON
OBS4000-18GM60-E5-V1	RETRO	0 - 4m	PNP 100mA	Light / dark ON
OBS4000-18GM60-E4-V1	RETRO	0 - 4m	NPN 100mA	Light / dark ON
OBT500-18GM60-E5-V1	DIFFUSE	0 - 500mm	PNP 100mA	Light / dark ON
OBT500-18GM60-E4-V1	DIFFUSE	0 - 500mm	NPN 100mA	Light / dark ON

### M18 Ø BARREL TYPE - Pre-wired 2m Lead (10 - 30VDC)

Nickel Plated

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
OBE10M-18GM60-SE5	THRU - TYPE	0 - 10m	PNP 100mA	Light / dark ON
OBE10M-18GM60-SE4	THRU - TYPE	0 - 10m	NPN 100mA	Light / dark ON
OBS4000-18GM60-E5	RETRO	0 - 4m	PNP 100mA	Light / dark ON
OBS4000-18GM60-E4	RETRO	0 - 4m	NPN 100mA	Light / dark ON
OBT500-18GM60-E5	DIFFUSE	0 - 500mm	PNP 100mA	Light / dark ON
OBT500-18GM60-E4	DIFFUSE	0 - 500mm	NPN 100mA	Light / dark ON

### M7/MV7-ML7 RECTANGULAR TYPE - Plug in (10 - 30VDC)

Side Facing

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
M7/MV7/59/76a/82b/103/143	THRU - TYPE	0 - 4.5m	PNP 100mA	Dark ON
M7/MV7/59/76a/102/126b/143	THRU - TYPE	0 - 4.5m	NPN 100mA	Dark ON
ML7-55/59/82b/103/143	RETRO	0 - 2.8m	PNP 100mA	Dark ON
ML7-55/59/102/126b/143	RETRO	0 - 2.8m	NPN 100mA	Dark ON
ML7-8-200/25/103/143	DIFFUSE	0 - 200mm	PNP 100mA	Dark ON
ML7-8-200/25/102/143	DIFFUSE	0 - 200mm	NPN 100mA	Dark ON

### M71/MV71-ML71 RECTANGULAR TYPE - Plug in (10 - 30VDC)

End Facing

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
M71/MV71/59/76a/82b/103/143	THRU - TYPE	0 - 4.5m	PNP 100mA	Dark ON
M71/MV71/59/76a/102/126b/143	THRU - TYPE	0 - 4.5m	NPN 100mA	Dark ON
ML71-55/59/82b/103/143	RETRO	0 - 2.8m	PNP 100mA	Dark ON
ML71-55/59/102/126b/143	RETRO	0 - 2.8m	NPN 100mA	Dark ON
ML71-8-200/25/103/143	DIFFUSE	0 - 200mm	PNP 100mA	Dark ON
ML71-8-200/25/102/143	DIFFUSE	0 - 200mm	NPN 100mA	Dark ON

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### M12/MV12-MLV12 RECTANGULAR TYPE - Plug in (10 - 30VDC) 90 Degree Rotating Connection



MODEL	Sensing Method	Sensing Distance	Output	Output Logic
M12/MV12-F1/76b/82b/124/128	THRU - TYPE	0 - 25m	P/P 200mA	Light / dark ON
M12/MV12-F1/47/76b/82b/124	THRU - TYPE	0 - 25m	PNP 200mA	Light / dark ON
MLV12-54/76b/124/128	RETRO	0 - 7m	P/P 200mA	Light / dark ON
MLV12-54/47/76b/124	RETRO	0 - 7m	PNP 200mA	Light / dark ON

#### GLASS DETECTION

MLV12-54-G/76b/124/128	RETRO	0 - 4m	P/P 200mA	Light / dark ON
MLV12-54-G/32/82g/124	RETRO	0 - 4m	PNP 200mA	Light / dark ON

#### BACKGROUND SUPPRESSION

MLV12-8-H-250-RT/65b/124/128	DIFFUSE	0 - 250mm	P/P 200mA	Light / dark ON
MLV12-8-H-250-RT/47/65b/124	DIFFUSE	0 - 250mm	PNP 200mA	Light / dark ON

### ML17 - RECTANGULAR + M18 CYLINDRICAL TYPE (10 - 30VDC)

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
ML17-54/115b/120	RETRO	0 - 3.5m	PNP 100mA	Light / dark ON
ML17-54/115b/127	RETRO	0 - 3.5m	NPN 100mA	Light / dark ON
ML17-54/115/120	RETRO	0 - 3.5m	PNP 100mA	Light / dark ON
ML17-54/115/127	RETRO	0 - 3.5m	NPN 100mA	Light / dark ON
ML17-54/120/143	RETRO	0 - 3.5m	PNP 100mA	Light / dark ON
ML17-54/127/143	RETRO	0 - 3.5m	NPN 100mA	Light / dark ON
ML17-6/115/120	RETRO	0 - 6.5m	PNP 100mA	Light / dark ON
ML17-6/115/127	RETRO	0 - 6.5m	NPN 100mA	Light / dark ON
ML17-8-450/115b/120	DIFFUSE	0 - 450mm	PNP 100mA	Light / dark ON
ML17-8-450/115b/127	DIFFUSE	0 - 450mm	NPN 100mA	Light / dark ON
ML17-8-450/115/120	DIFFUSE	0 - 450mm	PNP 100mA	Light / dark ON
ML17-8-450/115/127	DIFFUSE	0 - 450mm	NPN 100mA	Light / dark ON
ML17-8-450/120/143	DIFFUSE	0 - 450mm	PNP 100mA	Light / dark ON
ML17-8-450/127/143	DIFFUSE	0 - 450mm	NPN 100mA	Light / dark ON

### LD28/LV28-RL28 Rectangular Type - Plug in (10 - 30VDC)

MODEL	Sensing Method	Sensing Distance	Output	Output Logic
LD28/LV28-F1/76a/82b/110/105	THRU - TYPE	0 - 40m	P/P 100mA	Light / dark ON
LD28/LV28-F1/47/76a/82b/105	THRU - TYPE	0 - 40m	PNP 200mA	Light / dark ON
RL28-55-V/47/82b/105	RETRO	0 - 12m	PNP 200mA	Light / dark ON

#### GLASS DETECTION

RL28-54-G/47/105	RETRO	0 - 5m	PNP 200mA	Light / dark ON
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#### BACKGROUND SUPPRESSION

RL28-8-H-400-RT/105/110	DIFFUSE	0 - 400mm	P/P 200mA	Light / dark ON
RL28-8-H-700-RT/105/110	DIFFUSE	0 - 700mm	P/P 200mA	Light / dark ON
RL28-8-H-400-RT/47/105	DIFFUSE	0 - 400mm	PNP 200mA	Light / dark ON
RL28-8-H-700-RT/47/105	DIFFUSE	0 - 700mm	PNP 200mA	Light / dark ON

## PHOTOELECTRIC SENSORS

### M12 Ø BARREL TYPE - Plug in (10 - 30VDC)

Nickel Plated



MODEL	Sensing Method	Sensing Distance	Output	Output Logic
G12/GV12/37/40b/92	THRU - TYPE	0 - 5m	PNP 300mA	Light / dark ON
G12/GV12/36/40b/92	THRU - TYPE	0 - 5m	NPN 300mA	Light / dark ON
GLV12-54/37/40b/92	RETRO	0 - 1.2m	PNP 300mA	Light / dark ON
GLV12-54/36/40b/92	RETRO	0 - 1.2m	NPN 300mA	Light / dark ON
GLV12-8-200/37/40b/92	DIFFUSE	0 - 200mm	PNP 300mA	Light / dark ON
GLV12-8-200/36/40b/92	DIFFUSE	0 - 200mm	NPN 300mA	Light / dark ON

### M18 Ø BARREL PLASTIC TYPE - Plug in (10 - 30VDC)

Plastic



MODEL	Sensing Method	Sensing Distance	Output	Output Logic
GLV18-55/73/120	RETRO	0 - 4m	2 x PNP	Light / dark ON
GLV18-55-S/73/120 (R/Angle)	RETRO	0 - 4m	2 x PNP	Light / dark ON
GLV18-8-200/73/120	DIFFUSE	0 - 200 mm	2 x PNP	Light / dark ON
GLV18-8-200-S/73/120 (R/Angle)	DIFFUSE	0 - 200 mm	2 x PNP	Light / dark ON
GLV18-8-400/73/120	DIFFUSE	0 - 400 mm	2 x PNP	Light / dark ON
GLV18-8-400-S/73/120 (R/Angle)	DIFFUSE	0 - 400 mm	2 x PNP	Light / dark ON

### CONNECTOR CABLES (for plug in sensors)



MODEL	Profile	Cable Length	Material	Switch Type	Rating
V1-G-2M-PVC	Straight	2m	PVC	OBE/OBS/OBT	IP67
V1-W-2M-PVC	L - Shaped	2m	PVC	OBE/OBS/OBT	IP67
V1-G-5M-PVC	Straight	5m	PVC	OBE/OBS/OBT	IP67
V1-W-5M-PVC	L - Shaped	5m	PVC	OBE/OBS/OBT	P67
V15-G-2M-PVC	Straight	2m	PVC	MLV12	IP67
V15-W-2M-PVC	L - Shaped	2m	PVC	MLV12	IP67
V15-G-5M-PVC	Straight	5m	PVC	MLV12	IP67
V15-W-5M-PVC	L - Shaped	5m	PVC	MLV12	IP67