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MINI-BEAM® DC-Operated Industry Standard Sensors

Comprehensive sensors with a series of LED colors.

- Complimentary outputs
- Available with opposed, retroreflective, diffuse and convergent modes
- Infrared or visible red, green, blue or white sensing beam
- Industry standard mounting holes
- Cordsets and brackets see page 122

Opposed MINI-BEAM®, 10-30 V DC

→ Infrared LED → Visible Red LED

Sensing Mode	Range	Connection	Output	Models
 OPPOSED	3 m	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM31E Emitter SM31EQD Emitter
		2 m 4-Pin Euro QD		SM31R SM31RQD
 OPPOSED	30 m	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM31EL Emitter SM31ELQD Emitter
		2 m 4-Pin Euro QD		SM31RL SM31RLQD
 CLEAR PLASTIC OPPOSED	0.3 m	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM31EPD Emitter*
		2 m 4-Pin Euro QD		SM31EPDQD Emitter* SM31RPD* SM31RPDQD*

Retro & Polar Retro MINI-BEAM®, 10-30 V DC

→ Visible Red LED

Sensing Mode	Range	Connection	Output	Models
 RETRO	5 m†	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM312LV SM312LVQD
 POLAR RETRO	50 mm - 2 m†	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM312LVAG SM312LVAGQD
 EXTENDED RANGE POLAR RETRO	10 mm - 3 m†	2 m 4-Pin Euro QD	Bipolar NPN/PNP	SM312LP SM312LPQD

For more specifications see page 124.

Connection options: A model with a QD requires a mating cordset (see page 122).

* For 9 m cable, add suffix **W/30** to the 2 m model number (example, **SM312D W/30**).

† Actual range depends on light transmission through the plastic being sensed. Some clear plastic materials may not be detected. When in doubt, ask your Banner representative to evaluate material samples.

† Retroreflective range is specified using one model BRT-3 retroreflector. Actual sensing range may differ, depending on the efficiency and reflective area of the retroreflector used. See Accessories for more information.

Lower Mainland Locations

Burnaby
3935 2nd Avenue
Burnaby, BC V5C 3W9
Tel: 604-292-4800

Langley
#101 - 20550 Duncan Way
Langley, BC V3A 7A3
Tel: 604-533-1275

Richmond
12360 Vickers Way
Richmond, BC V6V 1H9
Tel: 604-273-1981

Surrey
13055 80th Avenue
Surrey, BC V3W 3B1
Tel: 604-596-7111

Island Locations

Campbell River
1030 B - 9th Avenue
Campbell River, BC V9W 4C2
Tel: 250-287-9265

Courtenay
2615 Moray Place
Courtenay, BC V9N 8A9
Tel: 250-334-0338

Duncan
5286 Polkey Road
Duncan, BC V9L 6W3
Tel: 250-748-3377

Parksville
#105 - 425 E. Stanford Avenue
Parksville, BC V9P 2N4
Tel: 250-954-1797

Interior Locations

Cranbrook
Unit A #800 Industrial Road. #2
Cranbrook, BC V1C 4C9
Tel: 250-489-4591

Kamloops
B-983 Camosun Crescent
Kamloops, BC V2C 6G1
Tel: 250-374-3191

Penticton
401 Okanagan Avenue
Penticton, BC V2A 3K1
Tel: 250-492-4032

Vernon
5203 24th Street
Vernon, BC V1T 8X7
Tel: 250-545-2191

Williams Lake
527 S. MacKenzie Avenue
Williams Lake, BC V2G 1C8
Tel: 250-392-7795

Alberta Locations

Unit 9, 7223 68 Avenue,
Edmonton, Alberta T6B 3T6

Northern Locations

Dawson Creek
1101 97th Avenue
Dawson Creek, BC V1G 1N5
Tel: 250-782-4896

Fort Nelson
PO Box 3266 - 5016 48th Avenue
Fort Nelson, BC V0C 1R0
Tel: 250-233-8570

Kitimat
622 Commercial Avenue
Kitimat, BC V8C 2C5
Tel: 250-632-3774

Prince George
2255 S. Quinn Street
Prince George, BC V2N 2X4
Tel: 250-563-0575

Terrace
5000 Pohle Avenue
Terrace, BC V8G 4S8
Tel: 250-635-6379

Specialty Divisions

Process, Automation &
Controls Group
Tel: 778-545-9916

Projects Group
Tel: 604-596-7111

Data Communications Group
Tel: 778-545-9916

Lighting Specialist
Tel: 778-545-9916



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