



Compact Sensors

WORLD-BEAM® QS18 page 66

- Universal photoelectric family offers 18 mm threaded lens or side mounts.
- One sensor family replaces hundreds of other sensor styles.
- One housing design fulfills all mounting requirements.
- All sensing modes are available including laser, fiber optic and ultrasonic.
- Ranges are up to 30 m.
- A wide variety of connecting options are available.
- QS18 *Expert™* visible red diffuse and plastic fiber optic models will be available soon—contact factory or visit www.bannerengineering.com for more information.



MINI-BEAM® page 75

- Extensive family in all sensing modes and ranges to 30 m
- *Expert™* push-button teachable models
- Models for special needs—clear plastic detection, NAMUR outputs
- World's most popular photoelectric



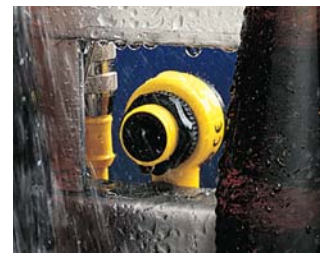
M18 page 92

- Rugged 18 mm stainless steel threaded barrels
- Opposed, polarized, non-polarized retroreflective, diffuse and fixed-field modes
- Dual LED indicators
- Specially designed EZ-BEAM® style optics and electronics for reliable sensing without adjustments



QH23/Q23 page 88

- Choice of vertical or horizontal housing
- High power in a small package
- Ranges to 8 m
- Five sensing modes including polarized retroreflective



T18 page 98

- Right-angle, T-shaped package
- Specialized fixed-field and polarized retroreflective models
- Specially designed EZ-BEAM® style optics and electronics for reliable sensing without adjustments
- Models for ac or dc power



S18 page 92

- 18 mm threaded plastic barrels
- Specialized laser diode emitter models
- Specially designed EZ-BEAM® style optics and electronics for reliable sensing without adjustments
- Models for ac or dc power

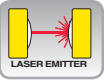
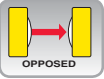
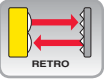


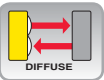
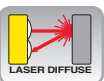
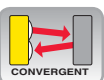


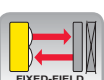
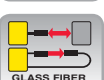
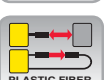
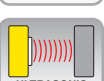


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- Compact rectangular 25 mm right angle housing with 18 mm threaded mounting base
- Completely epoxy encapsulated
- Specially designed EZ-BEAM® style optics and electronics for reliable sensing without adjustments
- Models for ac or dc power

WORLD-BEAM®

QS18 Series Universal Sensors

-  LASER EMITTER
-  OPPOSED
-  RETRO
-  LASER POLAR RETRO
-  POLAR RETRO
-  DIFFUSE
-  LASER DIFFUSE
-  CONVERGENT
-  ADJUSTABLE FIELD
-  LASER ADJUSTABLE FIELD
-  FIXED-FIELD
-  GLASS FIBER
-  PLASTIC FIBER
-  ULTRASONIC

- Features a universal housing with an 18 mm threaded lens or side mounts
- Replaces hundreds of other sensors
- Meets IP67 and NEMA 6 standards for harsh environments
- Available in opposed, polarized and non-polarized retroreflective, convergent, regular and wide-angle diffuse, laser, ultrasonic, plastic or glass fiber optic, fixed-field and adjustable-field sensing modes
- Offers easy push-button TEACH-mode setup in *Expert™* QS18E and ultrasonic models
- Ranges up to 20 m

Bright LED operating status indicators visible from 360°

Optional 18 mm threaded lens mount on some models

Side mount standard on all models

Rugged sealed housing, protected circuitry

Variety of cable and connector options

-  BRACKETS
PAGE 350
-  OD CABLES
4-Pin Euro & 4-Pin Plus
PAGE 378, 379 & 380
-  REFLECTORS
PAGE 391
-  APERTURES
PAGE 406

QS18

- Eight sensing modes for solving most applications: opposed, retroreflective, convergent, diffuse, plastic and glass fiber optic, and adjustable field and fixed field
- High power, visible red and infrared sensing beam
- Highly visible diagnostics

QS18 Expert™

- Advanced teachable microprocessor
- Single push-button programming
- Instant learning of difficult sensing condition
- Reliable detection of transparent and reflective objects

QS18 Laser

- Opposed, diffuse, retroreflective and adjustable-field models
- High-performance sensing with visible Class 1 lasers
- Long sensing ranges
- Ideal for confined areas
- Emitter models available with five beam shapes

QS18 Background Suppression

- Adjustable-field models with cutoff point from 20 to 100 mm or 30 to 150 mm
- Fixed-field models sensing range of 50 or 100 mm
- Visible red LED or laser sensing beam
- Accurate and reliable even with low-reflectivity targets
- Ideal for small, difficult-to-access areas



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QS18 Laser Emitter 68

QS18 Laser models 68

QS18 Background Suppression 69

QS18 Expert™ 72

QS18 Ultrasonic 73

