

# T18-2VPRS-Q8

## T18-2 SERIES RUGGED, WASHDOWN SENSORS FOR HARSH ENVIRONMENTS




T18-2 Series: Receiver with Pot  
 Range: Variable to 25 m; Input: 10-30 V dc  
 Outputs: Complementary PNP  
 4-pin M12 Integral QD  
 Part Number: 802613

### CERTIFICATIONS



## ACCESSORIES TO COMPLETE YOUR SYSTEM

Add all or individual items to your cart. More options available below.

	<p><b>SMB18A</b></p> <p>Bracket: 18 mm Right-Angle-mount                  Material: 11-Gauge Stainless Steel                  Curved Mounting Slot for Versatility/Orientation                  Clearance for M4 #8 Hardware</p>
	<p><b>MQDC-406</b></p> <p>Cordset: Single-Ended A-Code M12                  4-pin Straight Female Connector                  2 m (6.56 ft) Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>T18-2NAES-Q8</b></p> <p>T18-2 Series: Emitter with Pot                  Range: Variable to 25 m; Input: 10-30 V dc                  Outputs: None                  4-pin M12 Integral QD</p>

## SPECIFICATIONS

<b>Power</b>	DC
<b>Sensing Beam</b>	Visible Red or IR
<b>IP Rating</b>	IP67, IP68, IP69K
<b>NEMA / UL Type Rating</b>	NEMA 4X
<b>Supply Voltage</b>	10-30 V dc
<b>Item Status</b>	RELEASED
<b>Sensing Mode (General)</b>	Opposed
<b>Sensing Mode (Detailed)</b>	Receiver
<b>Housing Style</b>	Barrel
<b>Primary Housing Material</b>	Thermoplastic
<b>Input/Output</b>	Discrete
<b>Max Sensing Distance (mm)</b>	25000
<b>Outputs</b>	PNP
<b>Connection</b>	Integral QD
<b>Quick Disconnect Type</b>	M12


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Operation	Light/Dark Operate
Min Op. Temperature (C)	-40
Max Op. Temp. (C)	70
Output response time (ms)	1.5
Special Feature: Intrinsically Safe	No
Special Feature: Remote Teach	No
Special Feature: Water Detection	No
Sensing Beam Wavelength	624
Delay at Power-up (ms)	500
Repeatability (µs)	170
Number of Pins	4
Max Op. Relative Humidity [%]	95% @ 50°C
Lens Material	Acrylic
Adjustments	Potentiometer
Barrel Diameter (mm)	18
Indicator	Indicator LEDs
Opposed Mode Emitter/Receiver	Receiver
Feature: Washdown Rated	Yes
Feature: Clear Object Detection	No
Feature: Timing (Hold/Delay)	No
Feature: Ecolab Certified	Yes
Feature: Encapsulated	Yes
Feature: Audible	No
Feature: Chemical Resistant	Yes
Feature: Quick Disconnect	Yes
Feature: Health/Marginal Signal Output	No
DeviceNet	No


## COMPATIBLE PRODUCTS

### APERTURE

<p><b>AP18SCN</b></p> <p>Aperture Kit Includes: three round apertures 0.5 mm 1.0 mm &amp; 2.5 mm For Opposed Mode T18 Series Sensors - QTY 3</p>
<p><b>AP18SRN</b></p> <p>Aperture Kit Includes: three rectangular apertures 0.5 mm 1.0 mm &amp; 2.5 mm For Opposed Mode T18 Series Sensors - QTY 3</p>
<p><b>APG18S</b></p> <p>Aperture Kit Includes: glass lens to protect from chemicals For Opposed Mode S18 M18 and T18 Series Sensors - QTY 1</p>

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**BRACKETS**


	<p><b>SMB18A</b></p> <p>Bracket: 18 mm Right-Angle-mount                  Material: 11-Gauge Stainless Steel                  Curved Mounting Slot for Versatility/Orientation                  Clearance for M4 #8 Hardware</p>
	<p><b>SMB18FA</b></p> <p>Bracket: Kit for 12 mm (1/2 in)                  Rod Bracket Systems for most 18 mm Barrel Mount Sensors; Lights; and Brackets                  Includes 3/8-16 x 2 in Socket Head Cap Screw (SHCS)</p>
	<p><b>SMB18FA-SS</b></p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for                  most 18 mm Barrel Mount Sensors; Lights; and Brackets                  Includes 3/8-16 x 2 in Socket Head Cap Screw (SHCS)                  Stainless Steel Components</p>
	<p><b>SMB18FAM10</b></p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for                  most 18 mm barrel mount Sensors; lights; and Brackets                  Includes M10-1.5 x 50 mm Socket Head Cap Screw (SHCS)</p>
	<p><b>SMB18FAM10-SS</b></p> <p>Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems for                  most 18 mm Barrel Mount Sensors; Lights; and Brackets                  Includes M10-1.5 x 50 mm Socket Head Cap Screw (SHCS)                  Stainless Steel Components</p>
	<p><b>SMB18FAM12</b></p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for                  most 18 mm threaded barrel Sensors; lights; and Brackets                  No Socket Head Cap Screw (SHCS) Included</p>
	<p><b>SMB18FAM12-SS</b></p> <p>Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems for                  most 18 mm Threaded Barrel Sensors; Lights; and Brackets                  No Socket Head Cap Screw (SHCS) Included                  Stainless Steel Components</p>

	<p><b>MQDC-406</b></p> <p>Cordset: Single-Ended A-Code M12                  4-pin Straight Female Connector                  2 m (6.56 ft) Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-406RA</b></p> <p>Cordset: Single-Ended M12                  4-pin Right-Angle Female                  2 m (6.56 ft) 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-415</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  5 m (16.4 ft) 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-415RA</b></p> <p>Cordset: Single-Ended M12                  4-pin Right-Angle Female                  5 m (16.4 ft) 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-430</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  9 m (29.53 ft) 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>

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	<p><b>MQDC-430RA</b></p> <p>Cordset: Single-Ended M12                  4-pin Right-Angle Female                  9 m (29.53 ft) 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-450</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  15 m 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-450RA</b></p> <p>Cordset: Single-Ended M12                  4-pin Right-Angle Female                  15 m 4x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>MQDC-WDSS-0406</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  2 m (6.56 ft) 4x22 Black PVC Jacket                  PVC Black; 316 Stainless Steel Coupling Nut</p>
	<p><b>MQDC-WDSS-0415</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  5 m (16.4 ft) 4x22 Black PVC Jacket                  PVC Black; 316 Stainless Steel Coupling Nut</p>
	<p><b>MQDC-WDSS-0430</b></p> <p>Cordset: Single-Ended M12                  4-pin Straight Female                  9 m (29.53 ft) 4x22 Black PVC Jacket                  PVC Black; 316 Stainless Steel Coupling Nut</p>

**T18-2 SERIES**

	<p><b>T18-2NAES-Q8</b></p> <p>T18-2 Series: Emitter with Pot                  Range: Variable to 25 m; Input: 10-30 V dc                  Outputs: None                  4-pin M12 Integral QD</p>
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