DFS11 - Instructions



How To Specify

Features:

- Intuitive numerical/percentage diagnostic OLED display
- · Attractive 10mm wide housing
- · Low power & wide operating voltage
- · Advanced remote programming
- Six AUTOSET modes including window
- Crosstalk rejection of up to eight sensors synchronized via single wire network or two sensors without a wire
- Programmable output/input configurations
- High-speed, High-resolution, and Long-range modes
- Combinable dual timers, with latching and reset capability
- CE approved

1.Select Sensor: DFS11 Digital Fiber Optic Sensor	2.Select Light Source: R = Red I = Infrared	3. Select Connection: Blank = 6ft cable (1.8m) C = 4-pin M8 connector	Example: DFS Digital Fiber Optic S Light Source Connection	DFS11 ensor	R	C
Features		-1				
WIDE VARIETY O Visit <u>www.ttco.com</u>	PF FIBERS 1 for full listing.		FIBER RELEASE CL/ Locks fibers in place.	AMP		_
AUTOSET (●) Push to perform A	UTOSET.	AUTOSET	OUTPUT LEDS 1. Illuminates solid wh	en output is ON.		_
THRESHOLD/VAI	_UE ADJUST ROCKER (▼		2. Flashes when outpu	it is overloaded.		

ADVANCED DIAGNOSTIC OLED DISPLAY

See next page for complete listing.

INPUT FUNCTION LIGHT RING

- 1. Illuminates when input is activated.
- 2. Illuminates when synchronous crosstalk communication is received.
- Note: Only available on connector models.

* Note: Consult all default settings on page 6.

Quick Start The Digital Fiber Optic Sensor is designed to provide reliable detection using fiber optic light guides. Sensor is adjusted by a single push of a button; there is no guess work on the part of the operator. The sensor default settings* (Light State) will work for most

applications. Follow the three step procedure below:

MODE (■)

CONNECTION

2. Alters programming parameters. +/-

Hold to scroll for numeric values.

1. Tap to display sensor status screen.

2. Tap again to access parameters.

4-Pin M8 connector or built-in cable.

2. Tap AUTOSET (•) button: Establish one of the following conditions: **Beam Make/Proximity** - Reflect light off object. **Beam Break** - Remove object from light beam path. Pressing the AUTOSET button sets the sensors threshold to the desired level. **Beam Make** Proximity Mode 3. Verify setup on advanced diagnostic OLED display. If needed, the EFFECTIVE BEAM OBJECT threshold can be altered by tapping up or down on the threshold adjust rocker. **Beam Break** Retroreflective Mode Advanced Diagnostic OLED Display OBJECT Signal Level Threshold A DETECTION PATH аачаа sed Mod OBJECT



DFS61 - Instructions



1460nm SWIR - Short-Wave Infrared

How To Specify

1

Features:

- · Detects water based fluid
- · Intuitive numerical/percentage diagnostic OLED display
- · Attractive 10mm wide housing
- · Low power & wide operating voltage
- · Advanced remote programming
- Six AUTOSET modes including window
- · Crosstalk rejection between two sensors without a wire
- · Programmable output/input configurations
- · Combinable dual timers, and counters

Select Sensor: DFS61 Short-wave Infrared Digital Fiber Optic Sensor	2.Select Light Source: I = SWIR (1460nm)	3. Select Connection: Blank = 6ft cable (1.8m) C = 4-pin M8 connector	Example: DFS61 DFS SWIR Digital Fiber Optic Sensor Light Source Connection		C
-eatures					

WIDE VARIETY OF FIBERS Visit <u>www.ttco.com</u> for full listing.	FIBER RELEASE CLAMP Locks fibers in place.
AUTOSET (●) Push to perform AUTOSET.	OUTPUT LEDS 1. Illuminates solid when output is ON.
THRESHOLD/VALUE ADJUST ROCKER (▼▲) Image: Constraint of the shold.+/- Image: Constraint of the shold.+/- 1. Manually adjusts the threshold.+/- Image: Constraint of the shold.+/- Image: Constraint of the shold.+/-	2. Flashes when output is overloaded.
2. Alters programming parameters. +/- Hold to scroll for numeric values.	ADVANCED DIAGNOSTIC OLED DISPLAY See next page for complete listing.
MODE () 1. Tap to display sensor status screen	
2. Tap again to access parameters.	INPUT FUNCTION LIGHT RING Illuminates when input is activated.
CONNECTION	Note: Only available on connector models.
4-Pin M8 connector or built-in cable.	

Quick Start The Digital Fiber Optic Sensor is designed to provide reliable detection using fiber optic light guides. Sensor is adjusted by a single push of a button; there is no guess work on the part of the operator. The sensor default settings* (Light State) will work for most applications.

Follow the three step procedure below:

1 Establish one of the following conditions: **Beam Make/Proximity** - Reflect light off object. **Beam Break** - Remove object from light beam path.



2. Tap AUTOSET (•) button: Pressing the AUTOSET button sets the sensors threshold to the desired level. 3 Verify setup on advanced diagnostic OLED display. If needed, the threshold can be altered by tapping up or down on the threshold adjust rocker.

* Note: Consult all default settings on page 6.

Advanced Diagnostic OLED Display

