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 Sensor	R	C
Features		-1				
WIDE VARIETY O Visit <u>www.ttco.com</u>	-		FIBER RELEASE CL	AMP		_
AUTOSET (●) Push to perform A	UTOSET.		OUTPUT LEDS			_
	LUE ADJUST ROCKER (2. Flashes when outpu	ut 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

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

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: DFS SWIR Digital Fiber O Light Source Connection	DFS61	 C
Features					

WIDE VARIETY OF FIBERS Visit www.ttco.com 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 (▼▲) 1. Manually adjusts the threshold.+/-	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 4-Pin M8 connector or built-in cable.	Note: Only available on connector models.

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

