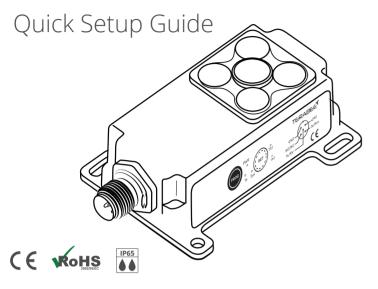
TERABLE* IND-TOF-1



Operation and Indicators

COMMUNICATION

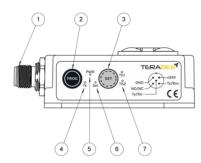
1 M12 A-coded male connector, 5-pin

TEACH-IN BUTTONS

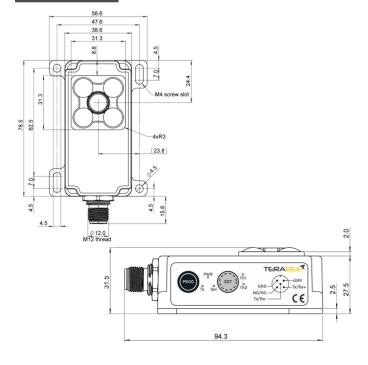
2 PROG Program background threshold 3 SET Program threshold 1 and 2

LED INDICATORS

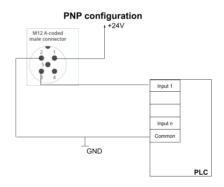
4	Tx	RS485 Data transmission	Red
5	PWR	Power indicator	Red
6	Sel	Sensor selected	Blue
7	Th1/Th2	Threshold breach notification,	Green/Red
		error indication	

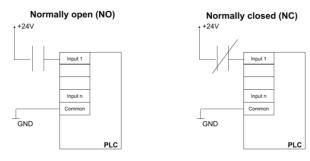


Dimensions



PLC Connection

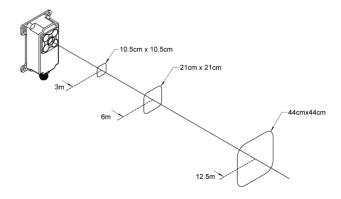


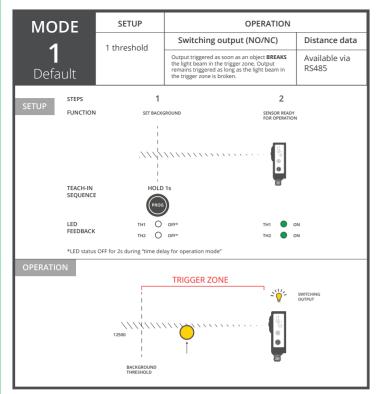


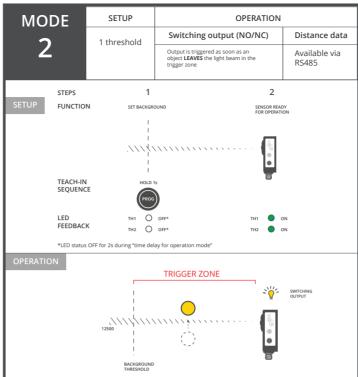
Technical Specifications

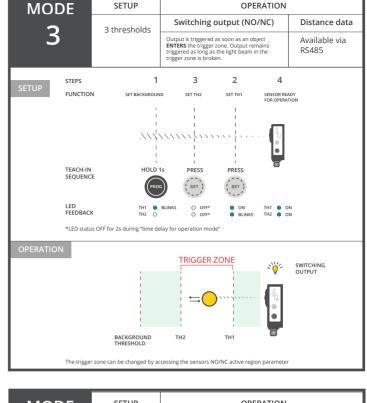
	Product code	TB-IND-TOF-1-RS485
	Performance	
	Detection Principle	Infrared Time-of-Flight
	Range	0.5 m to 12.5 m
	Output Distance Resolution	5 mm
_	Accuracy	±4 cm in the first 4 m, ±1% beyond 4 m
_	Repeatability	±5 mm
_	Field of View	Approx. 2°
_	Projected Reception Area	10.5 cm × 10.5 cm @ 3 m range
_	Light Source Wavelength	940 nm
_	Access Time for Distance Measurements	11 ms
	Response time for NO/NC State Change	35 ms to 100 ms
	Electronics	
	Supply Voltage V _{IN}	24V _{±5 %} DC
	Current Consumption (max. @ V_{IN} =24V DC)	90 mA
	Warm-up Time (advised)	≥ 15 min
	Initialization Time	<1s
	Interfaces	
	Digital Output	Switching (NO/NC in PNP/NPN configuration), 0V - 24V Maximum output current: 450 mA (@ VIN= 24V DC), unfused
	Serial Interface (distance measurement and remote settings)	RS485 (half-duplex, 19.2 kbps)
	Communication Protocol	Modbus
	Visual Notification	5 x LEDs (multicolor)
	Mechanics	,
	Dimensions (L×W×H)	94 mm x 56 mm x 31 mm
_	Weight	99 g
-	Enclosure Rating	IP65
_	Housing Material	Main body: ABS Backplate: Aluminium
-	Type of Connection	M12 A-coded male connector, 5-pin
	Ambient Temperature Operation (@ V _{IN} = 24 V DC)	-20°C to +45°C
-	Mounting Style	4 slots for M4 screws
	Conformity	
Ī	Reference Standard	CE, RoHS, Eye-Safety, Vibration & Shock
_		

Projected Reception Area









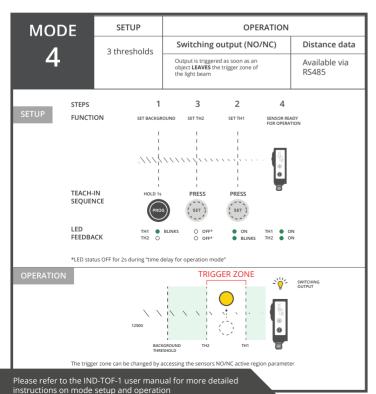
OPERATION

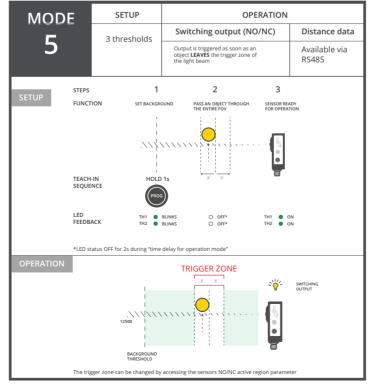
Distance data

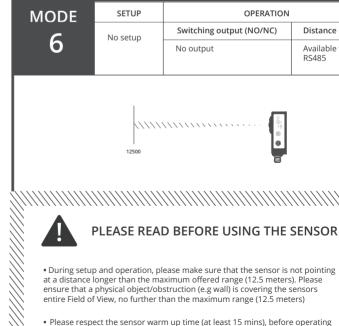
Available via

RS485

SETUP







warm-up time may negatively impact its performance

mode setup and sensor operation. Using the sensor before the recommended