

Specifications		
	Detector (2 box system)	Detector 3 (3 box system)
Scanning Heights	12", 18", 24", 36", 48" (30, 45, 61, 91, 121 cm)	12 models 6" to 72" in 6" increments (15 to 183 cm in 15.3 cm increments)
Scanning Range	Standard: Up to 25 feet (7.6 m); Extended: Up to 50 feet (15.3 m)	
Interchangeability	Transmitter and receivers are not matched sets.	
Beam Spacing	3/4" (1.9 cm)	
Object Sensitivity	1-1/4" (3.2 cm)	
Angle of Divergence/Acceptance	less than $\pm 5^\circ$	less than $\pm 3- 1/2^\circ$ (CE: less than $\pm 2- 1/2^\circ$)
Blanking/Floating	External Blanking Windows required Optional 1 beam floating	External Blanking Windows required, 1 beam Floating capability standard
Laser Alignment Tool (Optional)	Not available	3V Lithium Battery, 20-hour life
Response Time	30 mSec max - 12" to 24" 50 mSec max - 36" to 48"	25 mSec max - 6" to 48" 35 mSec max - 54" to 72" 75 mSec max for "W" series (weld applications)
OUTPUTS	2 "captive contact" stop relays	2 "captive contact" stop relays plus 1 auxiliary relay and 4 SS indicator outputs
Stop Circuit/Auxiliary	4A @ 115 Vac or DC resistive Std: 2 NO contacts; Opt: 1 NO and 1 NC	4A @ 240 Vac or DC resistive * NO or NC contacts avail. with all 3 relays
Indicator outputs	Not applicable	4 open collector NPN, opto-isolated 70V @ 2 mA maximum
INPUTS		
Power	110-120 Vac 50-60 Hz; 7 watts transmitter 12 watts receiver; 220 Vac option	115-230 Vac 50-60 Hz, 27 watts max.; 24 Vdc option available
Transmitter/Receiver Sets	One set per system, with no wiring between the transmitter and receiver	Two sets (any height) can be connected to same control box
MPCE Monitor Input	Not applicable	Dry contacts rated 20 mA @ 20 Vdc 25 mSec response time max
Remote Interrupt Input	Closure to ground. Max on voltage 20V @ 2 mA	
Remote Reset Input	Not applicable	Same as above
INDICATORS	Transmitter: Amber (power) Receiver: Green (clear), Red (obstruct), and flashing Red (Floating ON)	Transmitter & Receiver: same as 2-box except flashing Amber (Floating ON); Box: Green (clear), Red (stop signalled), Yellow (Reset Required), flashing Amber (Floating ON)
CONSTRUCTION		
Transmitter and Receiver	18 gauge welded steel	Extruded aluminum 0.12" (3 mm) wall min.
Control Box (dimensions)	Not applicable	Lockable, 14 gauge welded steel with keylock included; Enclosure* 7" x 9" x 3.5" (17.8 x 22.9 x 8.9 cm). Panel Mount 4" x 10" x 8" (10 x 25 x 20 cm)
Cables (dimensions)	Not applicable	5, 15, 25, 50 and 100' (1.5, 4.5, 7.5, 15, 30 cm)*
ENVIRONMENTAL		
Transmitter and Receiver	NEMA 4 hosedown, IP65	NEMA 4/IP65; Optional explosion-proof enclosures
Control Box	Not applicable	NEMA 2/IP52; Opt. NEMA 4/IP65; Opt. explosion-proof enclosure
Cables	Not applicable	NEMA 4 connector; Oil-resistant PVC cable std.; Optional S00W-A cable*
Vibration	10g, 0.03" displacement; frequency ; 10-150 Hz sine, per UL491 (3 axes)	
Shock testing	50g, 11 mS pulse per MIL-STD-810C; Method 516, Procedure I (3 axes)	
Weight		
Transmitter or Receiver	8, 11, 13, 19, 23 lb (3.6, 5, 5.9, 8.6, 10.4 kg)	Heads: 6" = 1.4 lb (.64 kg); Add 0.9 lbs (4 kg) for every additional 6" in height; Box - 9 lb (4 kg)*
Operating Temperature	-4° to 122° F (-20° to 50° C)	
Warranty	2 years	
Agency Approvals	UL 491, CSA, BS 6491(AMTRI)	CSA (NRTL/C)
CE Compliance	Not available	Available (CE by TÜV)

* Detector 3X Series Control available with following differences: Dim: 9" x 13" x 4.2" (23 x 33 x 11 cm); Weight: 11 lb (5 kg); 2 stop outputs with 3 sets of NO contacts each; quick-disconnect for 2 sets of optic heads; Harting 24E or Sine V431 connector for power and I/O. S00W-A cables with quick-disconnects at both ends.