

PULSE SMT-01 VFU

Bird Repellent System | Technical Specification Sheet

Patent Pending | Model SMT-01 | Version 1.0

Control Hub	
Measurements	9" x 6" x 4" / 23 x 15.24 x 10.14 cm (L x W x H)
Weight	6 lb / 2.72 kg
Enclosure Material	Polycarbonate
Output Frequency	120~900Hz ¹
Power Consumption	35 Watts
Rated Voltage	110 / 220–240 Volts
Current	20 mA/ 40 mA ²
Operation Voltage	2,500 Volts
Temperature Rating	-40°C to 130°C / -40°F to 266°F
Maximum Coverage	Up to 600 linear ft / 180 linear m (per system) ³
Mounting	4 mounting holes, max screw size 5/16 in or M8
Orientation	Mounted vertically with outlets facing downward



¹Output Frequency can not be tuned

²20mA corresponds to International power plugs & 40mA corresponds to NA power plug

³Quantity of five 100 ft emitter lines are shipped per control Hub. Additional emitter lines can be purchased separately.

Emitter Line

Length (per roll)	Qty 5 (100 ft) / 30.48 m
Material	XLPE sheathing with copper conductor
Rated Voltage	3,000 V
Colors	Dark Grey and Light Grey
Gauge	14 AWG

**End Cap**

Measurements	22 mm OD
Weight	0.1 lb / 0.045 kg
Qty per 100 ft	6 pcs
Material	Polycarbonate

**Tower Supports**

Measurements	18" x 2" 46 cm x 5 cm
Weight	1.14 lb / 0.5 kg
Qty per 500ft	90
Material	PVC with stainless steel thread
Mounting Options	Screw

**Line Extenders (Male / Female)**

Measurements	69 x 19.5 mm
Qty per 100 ft	5 each, 10 total
Material	Plastic
Ratings	UL 94V-0 & IP65



Branching Connector (Y-Connector)	
Measurements	2.32" x 1.50" x 0.70" / 59 x 38 x 17 mm
Qty per 100 ft	5 each, 10 total
Material	Plastic
Ratings	UL 94V-0 & IP65
Max Branch Length	15 ft / 4.6 m per section



Male / Female Crimp Bushings	
Measurements	0.22" x 1.14" / 5.5 x 29 mm
Qty per 100 ft	5 each, 10 total
Material	Tin-coated copper alloy



Pulse VFU						
Family	Control Hub Version	Voltage	Wire Type	Wire Color	Wire Length ¹	Stand
SMT-01	-V =Variable Frequency Unit	-1 =120NA	-P = Pulse (insulated)	LG =Light Grey	5 = 500ft	-TS = Tower Support
		-2 =220EU		DG =Dark Grey		
		-3 =230UK		BL =Black		
		-4 =240AU				

Example: SMT-01-V-1-PLG5-TS

¹ Insulated wire ships in (5) 100 ft increments

Accessories Sold Separately

Signal Detector		
Weight	0.21 lb / 0.1 kg	
Batteries Included	N/A- Rechargeable	
Detection V/m limit	Up to 2000 V/m	

Crimp Plier		
Weight	1.25 lb / 0.56 kg	
Crimp Sizes	Suitable for three crimp sizes	

Certifications & Compliance

CE | FCC | Regional equivalencies for AU/NZ | IP65 (Control Hub) | IP66 (Connectors) | UL 94V-0 (Line Extenders & Branching Connectors)

Regional variants available: North America (110V~, 60Hz), UK (220V~, 50Hz), EU (230V~, 50Hz), AU/NZ (240V~, 50Hz)

Warranty

24-month warranty from date of shipment. Contact solutions@bird-x.com for claims.

Contact Information**Bird-X, Inc.**

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