

## Technical Specification

# MAGNETO®

VERSION III/02/01/2026 - Provided by Avianova.

### NON-LETHAL ELECTROMAGNETIC BIRD DETERRENT SYSTEM

MAGNETO generates controlled low-intensity electromagnetic pulses transmitted through a single conductor output.

The system is designed for residential, commercial and industrial bird-control applications, with a dedicated ATEX version for applicable hazardous environments.

### GENERAL TECHNICAL SPECIFICATIONS

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| <b>System type</b>              | Non-lethal electromagnetic bird deterrent system |
| <b>Operating principle</b>      | Controlled low-intensity electromagnetic pulses  |
| <b>Power supply</b>             | 110 V AC or 220 V AC                             |
| <b>Mains frequency</b>          | 50 Hz                                            |
| <b>Power consumption</b>        | 10 W                                             |
| <b>Operating temperature</b>    | -20 deg C to +60 deg C                           |
| <b>Ingress protection</b>       | IP67                                             |
| <b>Generator outputs</b>        | 1 conductor output                               |
| <b>Generator box dimensions</b> | 450 x 300 x 380 mm                               |
| <b>Generator box weight</b>     | 10 kg                                            |
| <b>Mounting</b>                 | Vertical wall-mounted installation               |
| <b>Warranty</b>                 | 24 months                                        |

### APPLICATIONS

Residential, commercial and industrial bird control. ATEX environments: use MAGNETO ATEX.

### COMPLIANCE / CERTIFICATIONS

CE, FCC, RoHS, ATEX\* (\*ATEX applies to the MAGNETO ATEX model).



## MODEL CONFIGURATION & INSTALLATION

### MODEL COMPARISON

| PARAMETER                                | MAGNETO HOME    | MAGNETO PRO     | MAGNETO ATEX           |
|------------------------------------------|-----------------|-----------------|------------------------|
| <b>Copper conductor length</b>           | 250 m           | 500 m           | 500 m                  |
| <b>Conductor material</b>                | Enameled copper | Enameled copper | Enameled copper        |
| <b>Conductor diameter</b>                | 0.8 mm          | 0.8 mm          | 0.8 mm                 |
| <b>Isolators supplied</b>                | 100 pcs         | 175 pcs         | 175 pcs                |
| <b>Double-insulated connection cable</b> | 50 m            | 50 m            | 50 m                   |
| <b>Connector</b>                         | IP68 push       | IP68 push       | IP68 push              |
| <b>Kit weight</b>                        | 14.5 kg         | 15.5 kg         | 16 kg                  |
| <b>Compliance / certifications</b>       | CE / FCC / RoHS | CE / FCC / RoHS | CE / FCC / RoHS / ATEX |

### INSTALLATION & ELECTRICAL REQUIREMENTS

|                                         |                                                                                    |
|-----------------------------------------|------------------------------------------------------------------------------------|
| <b>Recommended isolator spacing</b>     | 1.5 - 2.5 m                                                                        |
| <b>Unit mounting</b>                    | Wall-mounted, vertical                                                             |
| <b>Electrical insulation</b>            | Double-insulated device; protective grounding is not required for the MAGNETO unit |
| <b>Building electrical installation</b> | The building electrical installation should be correctly grounded                  |
| <b>Upstream electrical protection</b>   | RCD and appropriate circuit protection are recommended                             |

### SAFETY PRECAUTION

#### CARDIAC PACEMAKERS

Manufacturer precaution: persons with cardiac pacemakers should maintain a minimum distance of 2 m from the MAGNETO system.

