



(AM) Acousto-Magnetic

CONTROLLER SYSTEM 58 kHz

AMERSEC® AM Controller system is an advanced software-driven system capable of excellent detection of 58 kHz DR labels and tags. With good resistance to interference and intuitive software diagnostics, the AM Controller system is an ideal choice for any store.

The AM Controller system consists of a main unit that can support up to six pedestals, making large or multiple exits very cost-effective. The antennas are fully universal and can be simply configured as a transceiver, transmitter or receiver. This allows for full flexibility at the time of installation.

The AM Controller system includes integrated Jammer detection, a favorite tool of professional shoplifters. Digital oscilloscope features make troubleshooting and synchronization simple. No extra tools or devices are required for synchronization.

Remote service via internet is available for long-distance support and retail chains which require complete system information can benefit from the AMERSEC® StoreMonitor service which automatically sends important system data to the client's online account.

PERFORMANCE:

TAG/LABEL SIZE	DETECTION DISTANCE ¹
DR label	up to 250 cm
AMERSEC® Pencil Tag	up to 300 cm
AMERSEC® Rambo Tag	up to 360 cm

¹Tested with AMERSEC® tags in all orientations, depending on antenna design and environment.

SYSTEM COMPARISON:

	AM CONTROLLER SYSTEM 58 kHz	AM ACE SYSTEM 58 kHz
Remote maintenance	✓	✓
StoreMonitor data management	✓	✓
Swept mode	✓	✓
Advanced DSP	✓	✓
Jammer detection	✓	✓
Air synchronization	✓	✓
Cable synchronization	✓	✓
Other frequencies	✗	✗
Additional alarm outputs	✓	✓
Installation	**	*

* Easy ** Intermediate *** Advanced

TECHNICAL SPECS:

- Input: 110-220V AC, 50-60 Hz
- Consumption: 60 W
- Center Frequency: 58 kHz
- Sweep Range: ±200 Hz

FEATURES:

- Up to 6 antennas powered from 1 controller unit
- StoreMonitor data management
- Remote tuning/maintenance
- Event management
- Compatible with MetalSpy/NG MetalMagnetSpy
- Inbuilt Jammer detection
- Energy efficient – low power consumption
- Additional relay outputs
- Digital oscilloscope functions
- Environment scanning for easy synchronization

OPTIONS:

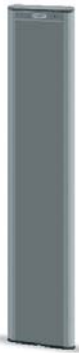
- Inbuilt Visitor Counter
- Inbuilt MetalSpy
- Inbuilt NG MetalMagnetSpy
- StoreMonitor data management
- Customized colors

COMPLIANCE:

- ETSI EN 300 330-1 V1.7.1:2010
- ETSI EN 300 330-2 V1.3.1:2006
- ETSI EN 301 489-1 V1.8.1:2008
- ETSI EN 301 489-3 V1.4.1:2003
- EN 55022: 2006 + A1: 2007
- EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2008

Designs

ALUPROFI 30



Height	1529 mm	
Width	303 mm	
Depth	62 mm	
Weight	6.6 kg	
Base	305 x 64 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✗
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

ALUPROFI PLEXI 30



Height	1529 mm	
Width	303 mm	
Depth	62 mm	
Weight	7.1 kg	
Base	305 x 64 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✗
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

ALUPROFI 40



Height	1530 mm	
Width	387 mm	
Depth	62 mm	
Weight	9.7 kg	
Base	389 x 64 mm	
Advertising area (visible)	1456 x 303 mm	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✓
MetalSpy loop	✗	✓
MagnetSpy antenna	✗	✓
Advertising	✓	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

ALUPROFI PLEXI 40



Height	1530 mm	
Width	387 mm	
Depth	62 mm	
Weight	8.3 kg	
Base	389 x 64 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✓
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

ALUPROFI 50



Height	1529 mm	
Width	553 mm	
Depth	62 mm	
Weight	13.1 kg	
Base	555 x 64 mm	
Advertising area (visible)	1456 x 469 mm	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✓
MetalSpy loop	✗	✓
MagnetSpy antenna	✗	✓
Advertising	✓	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

ALUPROFI PLEXI 50



Height	1529 mm	
Width	553 mm	
Depth	62 mm	
Weight	11.8 kg	
Base	555 x 64 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✗	✓
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✓
Antenna stand	✗	✓

CRYSTAL EASY 40



Height	1511 mm	
Width	395 mm	
Depth	20 mm	
Weight	15.5 kg	
Base	359 x 280 x 110 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✓	✗
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✗
Antenna stand	✗	✗

CRYSTAL EASY 50



Height	1511 mm	
Width	500 mm	
Depth	20 mm	
Weight	18.5 kg	
Base	359 x 280 x 110 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✓	✗
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✗
Antenna stand	✗	✗

CRYSTAL ULTRA 65



Height	1511 mm	
Width	660 mm	
Depth	25 mm	
Weight	16.5 kg	
Base	409 x 280.3 x 115 mm	
Advertising area (visible)	-	
Features	Standard Optional	
RGB light	✓	✗
Directional Visitor Counter	✓	✗
MetalSpy loop	✗	✗
MagnetSpy antenna	✗	✗
Advertising	✗	✗
Color options	silver/black/ white	✗
Antenna stand	✗	✗

AM CONTROLLER UNIT



Height	428 mm
Width	293 mm
Height	100 mm
Weight	6.7 kg
Distance from AM antenna	up to 12 m

AM/MMS MULTICONTROLLER UNIT



Height	508 mm
Width	293 mm
Height	100 mm
Weight	7.5 kg
Distance from AM antenna	up to 12 m
Distance from Metal/MagnetSpy antenna	up to 15 m