



Synergy RFID Retrofit Panel

The RFID Retrofit Panel is a simple, cost-effective upgrade to the Sensormatic Synergy 2.0 and 2.5 ABS pedestals. This easy-to-install upgrade delivers Radio Frequency Identification (RFID) technology to existing Acousto-Magnetic (AM) systems to provide shrink and inventory visibility, in addition to protecting Electronic Article Surveillance (EAS) infrastructure.

The panel leverages software-controlled beam-steerable technology for directional reading of AM/RFID-tagged merchandise at the exit. This provides retailers with real-time visibility into their assets, while the detection system uses Sensormatic AM EAS technology for the highest level of theft detection.

When coupled with Tyco's TrueVUE software, the Synergy RFID Retrofit Panel delivers advanced functionality to increase inventory visibility, minimize markdowns, and replenish out-of-stocks, helping to maximize sales and increase customer satisfaction. Retailers also gain deeper insight into what, when, and how specific items go missing to help optimize store operations.

For standalone RFID applications, the retrofit panel can be installed onto the 2.0 and 2.5 ABS pedestals without the AMS9060 controller.

Retailer Values

- // Provides a simple, cost-effective RFID upgrade to compatible AM pedestals
- // Protects EAS infrastructure investment and delivers advanced RFID functionality
- // Complements proven, reliable AM EAS technology with advanced RFID capabilities for item-level intelligence
- // Provides true directional sensing of RFID tag movement using beam-steering technology at exits, transition areas, or zones
- // Installs on single, dual, split and quad pedestal configurations
- // Integrates with TrueVUE software for advanced RFID functionality with real-time visibility into shrink and inventory accuracy

Configured Product Codes

IDSM20-NA-GR1U*
Cool Gray RFID Retrofit Kit, NA, Unidirectional

IDSM20-EU-GR1U*
Cool Gray RFID Retrofit Kit, EU, Unidirectional

IDSM20-NA-GR1B*
Cool Gray RFID Retrofit Kit, NA, Bidirectional

IDSM20-EU-GR1B*
Cool Gray RFID Retrofit Kit, EU, Bidirectional

* Kits noted above are Cool Gray color and include: beam steerable antenna, antenna cover, and mounting hardware for one pedestal. Charcoal color items are available.

** Synergy 2.0m and 2.5m ABS Pedestals are sold separately.

Required Hardware

RFID Reader

IDX2000-N1
2-Port RFID Reader with Power Supply (NA)

IDX2000-E1
2-Port RFID Reader with Power Supply (Europe)

IDX8000-N1
8-Port RFID Reader with Power Supply (NA)

IDX8000-E1
8-Port RFID Reader with Power Supply (Europe)

Product Compatibility

- Synergy 2.0 ABS Pedestal
- Synergy 2.5 ABS Pedestal
- AM/RFID Hard Tags
- AM Hard Tags and Labels
- TrueVUE Software
- EPC Gen2 Class I RFID Tags
(performance dependent on tag design)

Specifications

- Height** 160.02cm (63in)
- Width** 30.48cm (12in)
- Depth** 38.10cm (15in)
- Weight (Panel Only)** 3.9kg (8.5lbs)

RFID Functionality

Beam Steerable RFID Antenna

Frequency Bands

US 902-928MHz

EU 865-868MHz

Polarization RHCP

Gain (center beam) 6 dBiL

Gain (left/right beams) 4.7 to 5 dBiL

Beam angle ±20°

Beam width 55°

Electrical

Beam Steerable RFID Antenna

Impedance (normal) 50 Ohms

Pedestal (Transmitter)

Operating Frequency 58kHz +/-200Hz

.....(sync pulse) 56kHz

Transmit Burst Duration 6ms

Transmit Current mzx 16A peak

Burst Repetition Rate

Based on 50Hz ac 75Hz or 37.5Hz

Based on 60Hz ac 90Hz or 45Hz

Receiver

Center Frequency 58kHz

Alarm

Audio level 83dBA

Environmental Constraints

Beam Steerable Antenna

Operating Temperature -20°C to 65°C
(-4°F to 149°F)

Relative Humidity 5 to 90%
non-condensing

RFID Readers (IDX2000/8000)

Operating Temp -20° to 50°C
(-4° to 12°F)

Relative Humidity 5 to 95%
non-condensing

Pedestal

Ambient Temp 0°C to 50°C
(32°F to 122°F)

Relative Humidity 0 to 90%
non-condensing

Enclosure IPX0

Evaluated for altitudes less than 2000m
(6500ft).

DO NOT cover or block thermal cooling
air passages.

CE This product is in conformity with RoHS II Directive 2011/65/EU and REACH Substances of Very High Concern as defined in Regulation (EC) No 1907/ 2006 and subsequent amendments to both.

