Integrated Controller/Antenna

HF-0405

FEATURES

High performance Multi protocol 13.56MHz Controller

Integrated antenna, compact size

3 models , RS232, 422, 485

Reads/Writes ISO14443A, ISO15693 and ICODE 1 RIFD Tags (LRP/HMS series tags from EMS)

Auto configurable

8 LED Status Indicator Lights

Backward compatible with HMS827, HMS828, LRP75

Flash Memory for Software Upgrades

FOR USE WITH

HF Series
HMS Series
LRP Series
Gateway
Hub
Any ISO15693 tags

Designed to operate in harsh, industrial environments, EMS has created high performance, modular RFID products including the HF, LRP, HS, HL and HMS families for the factory integrator and enduser. EMS is known within the industry for products that support virtually every industrial communication protocol making them ideal for integrators and endusers facing real life scenarios.

The HF-0405 RFID Controller from EMS provides cost effective RFID data collection solutions for demanding process control, material handling and automation applications. Escort Memory Systems' built-in error checking routines ensure that the Controller receives tag data correctly even in environments of heavy RF interference. The controller features 8 LED status indicator lights for Power, Communication, RF Activity, and Network Address.

SPECIFICATIONS

Operating Temperature
- 4° to 120°F (- 20° to 49°C)

Storage Temperature
- 40° to 185°F (- 40° to 85°C)

Vibration Resistance
IEC 68-2-6 Test FC 1.5mm; 10 to 55Hz; 2 Hours Each Axis

Shock Resistance
IEC 68-2-27 Test EA 30g; 11ms; 3 Shocks Each Axis

Humitity
100% Non-Condensing

Dimensions
40mm x 56mm x 25mm

Weight
475 grams

Enclosure Protection Class
IP67

Voltage
12-24VDC ±10%; 150mA@24VDC (3.60W)

Connector
M12 Circular Male IP67

LED Indicators
8 Discrete including Power, Communication, RF Activity, Network Address

Air protocols
6.5kBaud/106k Baud with CRC Error Detection

Communication Standard
Point to Point Baud Rates: 9600, 19.2k, 38.4k, 57.6k, 115.2k

Communication Standard
Multi-drop Network Baud Rate: 9600 or 115.2K

RFID AT WORK™

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APPLICATIONS

Manufacturing, Work in Progress (WIP)

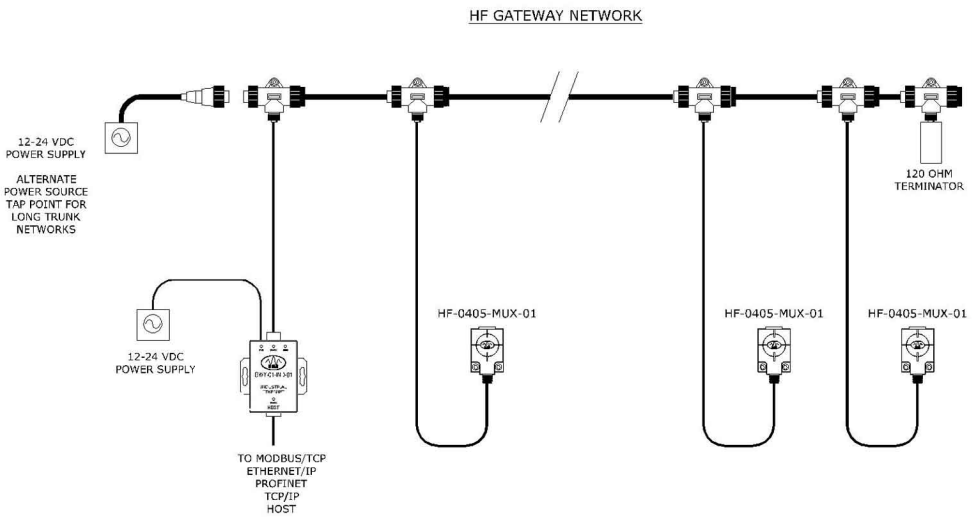
Material Handling

Logistics/Warehousing

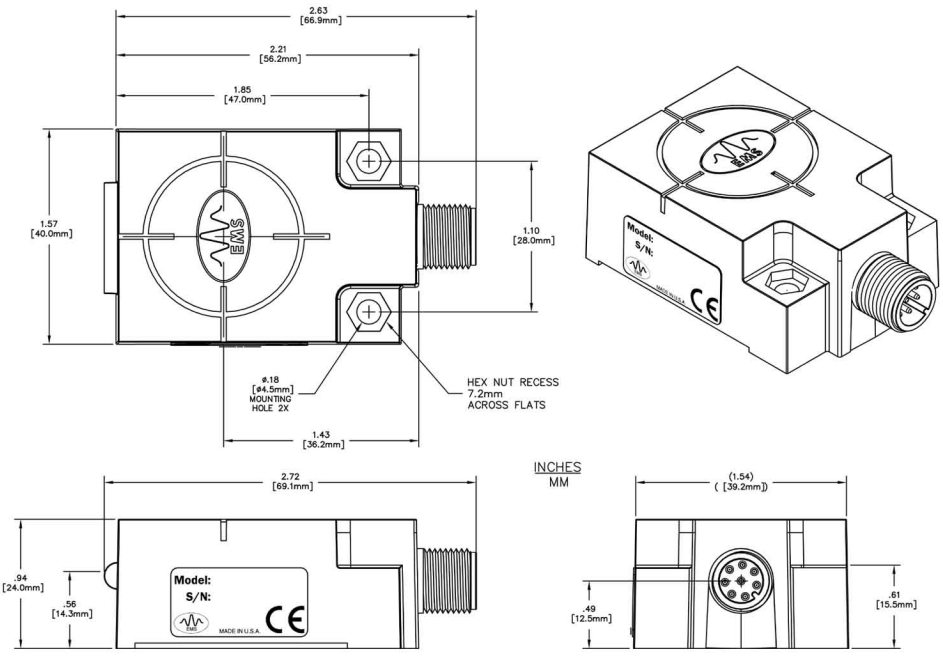
RANGES FOR HF-0405

	in/mm
LRP-L90140S	3/75
LRP125S	1.5/38
LRP-L2666S	1.8/45
LRP525(HT)S	2.8/70
LRP-C5486S	3/75
HMS125(HT)	.8/20
HMS150(HT)	1.8/45
LRP-L4982S	2.6/65

NETWORK DRAWINGS



MECHANICAL DRAWINGS



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