

DigiMax™

Digital Hazard Monitor System

Monitor Your Equipment, Anytime, Anywhere

DigiMax is Maxi-Tronic's state-of-the-art digital hazard monitoring system for your materials handling facility.

The DC1 Digital Controller is the heart of the DigiMax system. It features an integrated Intrinsically Safe Barrier for sensor installation in Class II, Div 1 Groups F and G hazardous locations. The DC1 Digital Controller manages the sensors and network health and provides the highest level of reliability, safety and ease of use.

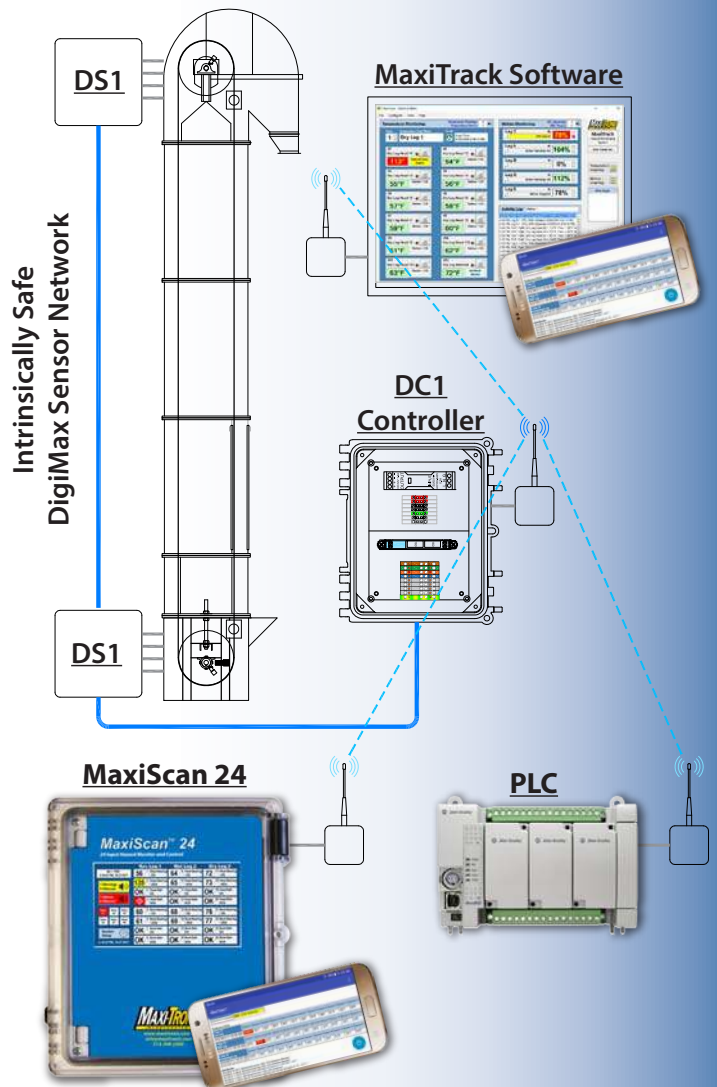
DS1 Digital Splitters allow easy connection of bearing temperature, belt misalignment, motion and other sensors to the DigiMax network. Provides branching connections for extending the DigiMax network.

DigiMax in action

Easy to install using a single CAT5 cable and pluggable screw terminals. Conduit is not required for Intrinsically Safe installations.

Easy to setup and configure with LED status indicators. Automatically detects sensors for fast setup.

Combine with the MaxiTrack software, MaxiScan 24 Controller or PLC for a complete hazard monitoring system. Provides web access without subscription fees.



- Accurate 1-Wire® sensor technology
- Automatic system diagnostics
- All sensors connect to a single CAT5 cable
- Plug-in terminals for easy installation

- Radio compatible for remote monitoring
- MaxiScan 24 and MaxiTrack PC software compatible
- Modbus RTU (RS-485) output for PLC connectivity
- UL/CSA/FM approved Intrinsically Safe Barrier

MAXI-TRONIC
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The DC1 has the most advanced features in the industry:

- Each DC1 Controller (32 max.) supports up to 32 sensors on the DigiMax sensor network.
- UL/CSA/FM approved Intrinsically Safe Barrier.
- Class II, Div. 1 approved installation when installed using Intrinsically Safe wiring practices.
- Automatic system diagnostics at power-up.
- LED Indicators for: Incoming Power, Data, RS-485 Communications, Outgoing Power, 1W Activity, Status.
- Modbus RTU data output for PLC, MaxiScan 24 and MaxiTrack PC software interfacing.

The DS1 Splitter for installation ease and system health:

- Detects and locks out malfunctioning sensors.
- Each DS1 supports 6 sensors and provides 2 additional network branch outputs.
- Intrinsically Safe "Simple Apparatus" for Div. 1 installation.

The DigiMax Digital Sensors are durable and accurate:

- Multiple levels of surge protection in each sensor.
- 10-foot cable is standard.
- Intrinsically Safe "Simple Apparatus" for Div. 1 installation.



The DigiMax system simplifies installation, setup and maintenance. Uses a single CAT5/6 cable to interconnect the major system components.

DC1 CONTROLLER SPECIFICATIONS:

Part #:	902.603DC1
Supply Voltage:	12V-24V DC, .35A
Output voltage:	5V, 83mA nominal
I.S. Wiring:	Shielded (SPT) CAT5/6
Data Protocol:	Industry standard "1-Wire" [†] digital
I.S. Barrier:	UL/CSA/FM approved: 6V, 60 Ohm
RS-485 Wiring:	3C, 22 Awg, Radio compatible
Data: Out:	Modbus RTU RS-485
Capacity:	1024 sensors maximum
Dimensions:	9.1"H x 8.1"W x 5.5"D

DIGITAL SENSOR SPECIFICATIONS:

Models:	<ul style="list-style-type: none"> ◆ HB-21 Bearing temperature ◆ RB-21 Belt alignment temperature ◆ FP-21 Surface mount temperature ◆ BeltTracker belt alignment switch ◆ EZMount-DM motion sensor
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Supply Voltage:	5V DC, reverse polarity protected
Data Protocol:	Industry standard "1-Wire" digital
Cable:	10' cable provided, 3C, 24-26 AWG
Capacity:	32 sensors per DC1 Controller

DS1 SPLITTER SPECIFICATIONS:

Part #:	902.603DS1
Supply Voltage:	5V DC, 7mA
I.S. Wiring:	Shielded (SPT) CAT5/6
Connectors:	Pluggable screw terminals
Data Protocol:	Industry standard "1-Wire" digital
Capacity:	6+ sensors per DS1 Splitter
Dimensions:	7.1"H x 7.1"W x 3.5"D

[†] "1-Wire" is a registered trademark of Maxim Integrated Products.

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