Eagle Signal brand MAX® Count Series

NEW & IMPROVED From EAGLE SIGNAL.... The MAX Count SERIES

Designed to fulfill all of your Industrial Automation Application requirements, the MAX Series is ideal for **high speed**, and **high resolution** applications! The MAX Series is the most **user friendly**, multi-function controller with the greatest number of **communications modes** available on the market. The NEW MAX Series provides maximum value for your investment; a value once reserved for higher priced PLC based systems.

Both dimensionally and functionally interchangeable with Dynapar's traditional MAX Series, the new and improved MAX Series from Eagle Signal makes for an easy to use, easy to install, quick upgrade to anyone's control panel.

Cut to length, automatic packaging, and batch controlling are just a few applications where the MAX Series can **improve the efficiency** of your automation system. Two-wire RS485 communication is standard. **Wireless** and **Ethernet Modbus** options are available and easily upgradeable. Upstream and downstream PLC based systems are easily integrated to the MAX Series through your network.

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The Fastest Counter with 3 Presets and offering the most Communication Options

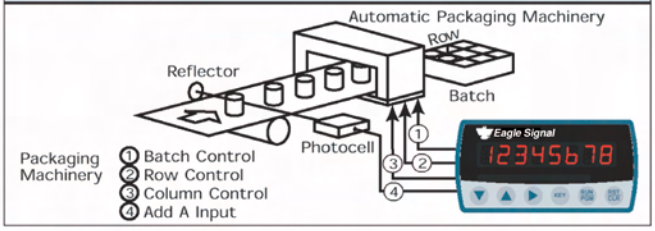
Features and Benefits

- *40kHz Input Frequency Standard on all Units... **High Speed, High Resolution**, and **Precision** Counting & Batching Application Capabilities.*
- *RS 485 Modbus, Ethernet, & Wireless Communication Options... Integrated "Real Time" Production Data Capabilities, and **Improved Uptime** with Easy to Use **Machine Diagnostics**.*
- *Bright Eight Digit, 0.4" high, 14 Segment, Alpha Numeric LED Display... **Easy to Read! Easy to See! Easy to Understand!** No more hard to interpret coded language!*
- *Programmable decimal point out to the 5th digit... Control and Positional **Accuracy** within a 1000th of an inch for **High Speed** and **High Resolution** Applications.*
- *Removable Terminal Blocks... **Ease of Maintenance and Installation**.*

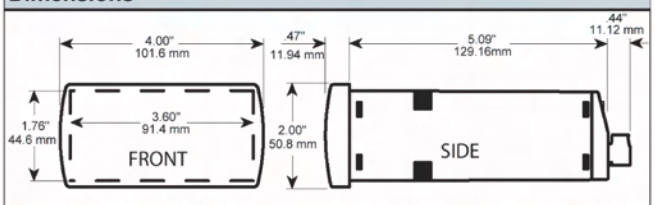
Specifications

Input Power:
Universal 85 to 265 VAC, 50/60 Hz (+12 VDC @ 0.7 A optional)
Transducer Power: +12 VDC @ 175 mA, short circuit protected.
Main Counter and Totalizer:
Programmable x1, x2, or x4 logic;
Maximum Input Frequency: 40 kHz x1, 20 kHz x2, 10 kHz x4.
Correction Constant: 0.00001 to 9.99999 programmable range.
Program Security: System Lock and User Lock.
Signal Input:
Contact closure or 3.5 to 15 VDC square wave @ 3.25 mA source.
Outputs:
3 solid state,100 mA sink, 28 VDC max; 3 SPDT,10 A, relays optional.
Serial Communications:
RS-485 Differential, Modbus Protocol.
Optional: Ethernet Modbus and Zigbee Modbus
Operating Temperature: 5° to 149° F (-15° to + 65° C)

Typical Application

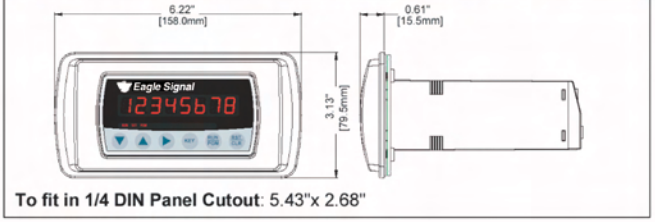


Dimensions



Panel Dimns: Cutout: 1.77"x 3.62". Thickness: 1/16" to 1/4". Depth: 5.68" min.

Replacement arrangement for 1/4 DIN panel cutout



To fit in 1/4 DIN Panel Cutout: 5.43"x 2.68"

Ordering Information

CM030 [1] [1] [1] [1] [1] [0]

Optional Outputs

Feature	Code
3 Solid State Outputs	1
3 Solid State and Relay Outputs	2
8 Solid state outputs (MC6S)	5
8 Solid state outputs & 3 relay outputs (MC6S)	6
7 Solid state outputs (MC6)	7
7 Solid state outputs & 3 Relay outputs (MC6)	8

Communications

Feature	Code
2 Wire RS485 (standard)	1
4 Wire RS485	2
Ethernet - Modbus	3
Wireless - Zigbee	4
Devicenet	5
Profibus-DP	6

Input Power Supply

Feature	Code
Universal Power 85 - 265 VAC	1
12 VDC	2

Count Options

Feature	Code
none	0
Mega Preset (MC6)	1
Sequential Programmable Preset (MC6S)	3

Note: For additional Ordering Structure, consult factory

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