MC 106

Electromagnetic Transmitter

Description

The MC 106 transmitter can be interfaced to all Flow Technology magnetic flow meters and provides an economical solution for applications that primarily require a single output. There are two versions of the MC 106 that enable the user to select the attributes that will deliver the most cost effective solution.

MC 106A - Integral or Remote

The MC 106A enclosure is manufactured out of ABS plastic and is rated to IP67. Versions are available with or without a local display, however, the transmitter does not have a integrated key board, therefore field programming, if required, must be performed using the handheld programmer (TRM 100). The transmitter can be directly to the meter (integral mount) or can be remote mounted.

MC 106B - Panel Mount

The MC 106B is a panel mount version and has a 2 line 16 character display with a 6 button keyboard for local configuration. The enclosure is manufactured out of ABS plastic and is rated to IP44, as an option a transparent flap door can be added to the front of the unit to give an IP65 rating.

MC 106 - transmitters

Features

- One frequency/pulse open collector output
- One analog output
- One RS 485
- Integral and remote versions available
- Compact design
- Diagnostics - Empty pipe detection
- Forward and reverse flow
- Environmental protection to IP67
- DC and AC versions
- -4 to 140°F

Sensor / Transmitter Compatibility

	MC 106A	MC 106B
EL 500	Yes Integral & Remote	Yes Remote Only
EL 2400	Yes Integral & Remote	Yes Remote Only
EL 2200	Yes Integral & Remote	Yes Remote Only

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Specifications

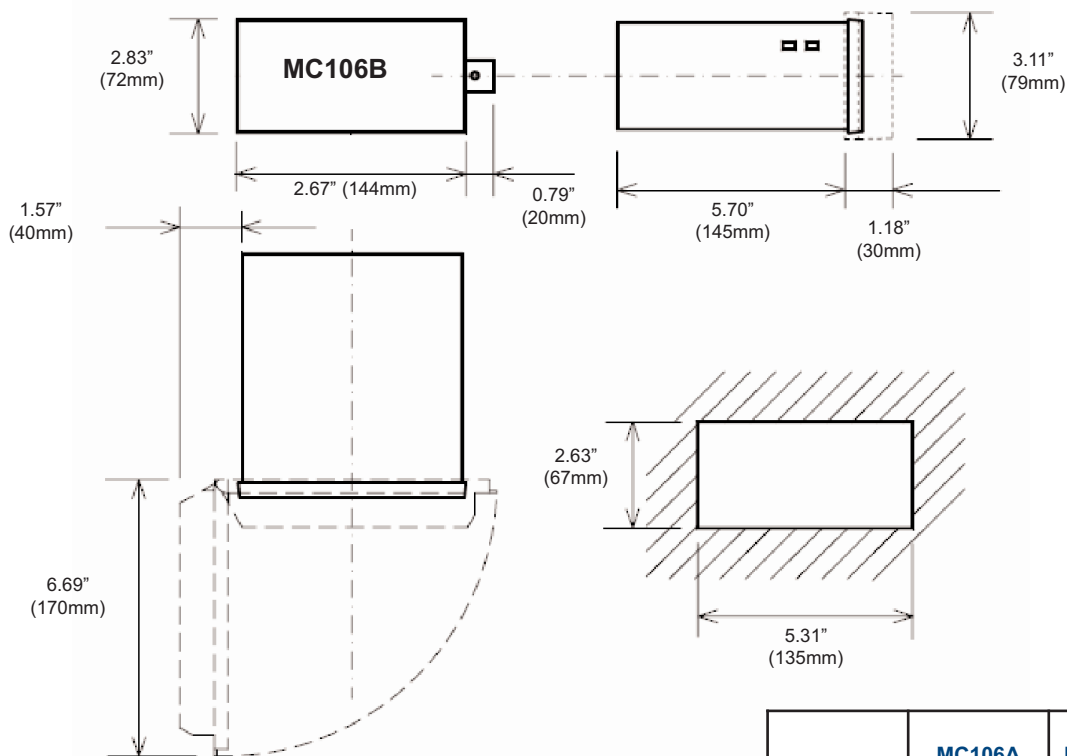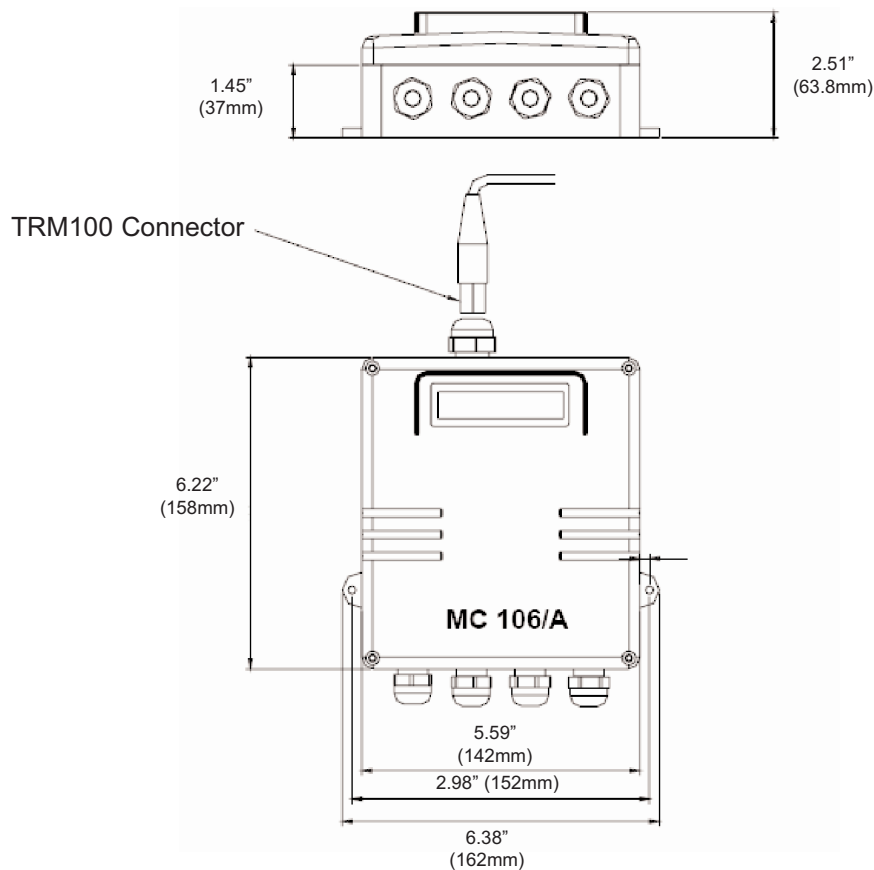| Specification	MC 106A	MC 106B
Frequency / Pulse Output (single channel)	The transmitters frequency/pulse output can be configured to output: • Frequency proportional to flow rate • Pulse per unit volume • Forward/reverse flow rate • High alarm • Low alarm • Empty pipe detection • Out of range alarm	
Analog output (option)	0(4) to 20mA	
RS485	Serial Output	
Display	Option	Yes
Keypad	No	Yes
Environmental rating	IP67	IP44
Temperature range	-4 to 140°F	
Auto ranging	Yes	
Input reset for totalizer	Total reset via TRM 100	Total reset via front keyboard
Empty pipe alarm	Only available with analog output	
Power supply	(LV) 24Vac/dc (HV) 90 to 264 Vac	

Other Compatible Electronics

TRM 100 Features

- Hand held terminal for use with MC106A transmitter
- User friendly plug connects hand held to transmitter
- Used for configuration and display of process variables

Dimensions

TRM100 Connector

1.45"
(37mm)

2.51"
(63.8mm)

6.22"
(158mm)

MC 106/A

5.59"
(142mm)

2.98" (152mm)

6.38"
(162mm)

2.83"
(72mm)

MC106B

2.67" (144mm)

0.79"
(20mm)

3.11"
(79mm)

5.70"
(145mm)

1.18"
(30mm)

1.57"
(40mm)

6.69"
(170mm)

2.63"
(67mm)

5.31"
(135mm)

	MC106A	MC106B
Weight	1.2Kg	0.80Kg

MC 106A Ordering Information

| MC106A | CVN | | | P | | | |

Display	Order Number
No Display	0
With Display	1

Power Supply	Order Number
90 to 264 Vac	D
24 Vac-dc	F

Installation	Order Number
Compact	C
Remote	S

Analog Outputs	Order Number
4(0) to 20mA output	21

Tropicalization (conformal coat)	Order Number
No	N
Yes	Y

MC 106B Ordering Information

| MC106B | CVH | | | 4 | Q | | |

Accessories	Order Number
Display & keyboard	2
Display, keyboard & flap	3

Power Supply	Order Number
90 to 264 Vac	D
24 Vac-dc	F

Analog Outputs	Order Number
4(0) to 20mA output	21

Tropicalization (conformal coat)	Order Number
No	N
Yes	Y

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