IMC2 Series

Intelligent Message Centers

Features

- Windows™ Based MMISoft Setup Software
- 6 Programmable Multipurpose Function Keys
- Numeric Data Entry Via Front Panel Keypad
- 2 x 16 Character, Backlit LCD Display
- Smart Cable Hookup
- Serial Printer Output
- 1/8 DIN Mounting, NEMA 4/IP65

Description

The IMC2 intelligent message center provides a convenient way for machine operators to view and modify machine status and parameters. The six multipurpose function keys allow the operator to turn bits ON/OFF, hold bits ON/OFF or Toggle. The function keys can also be programmed to call up critical messages, download constants or be used for numeric data entry. The unit is equipped with a serial printer output for interfacing printers or slave displays.

The IMC2 interfaces to the PLC through a Smart Cable which is connected to the PLC programming port. No additional communications modules are necessary. Just plug in both ends of the cable and you are ready to go!

Setup -- The IMC2 is programmed with a Personal Computer. Using the Windows based MMISoft setup software, parameters can be defined and downloaded to the IMC2.

Annunciator LED's -- The IMC2 has two LED indicators for the purpose of annunciation. The LED indicators will turn ON when a bit in a user designated register of the PLC turns ON.

Data Entry -- The operator can change the values of PLC registers by pressing the ENT key while viewing a special message with register data embedded in the message. The UP arrow key is used to increment the selected "flashing" digit and the LEFT arrow key is used to select the next digit to the left. Bit/coil status may also be changed by pressing the UP key to toggle the bit ON or OFF.

Messages -- The IMC2 can store a large amount of message data. Message numbers can range from 1 to 65518. The user defines a register in the PLC called the Message Triggering Register (MTR). The IMC2 reads the contents of the MTR and displays the message that corresponds to the number in the MTR.
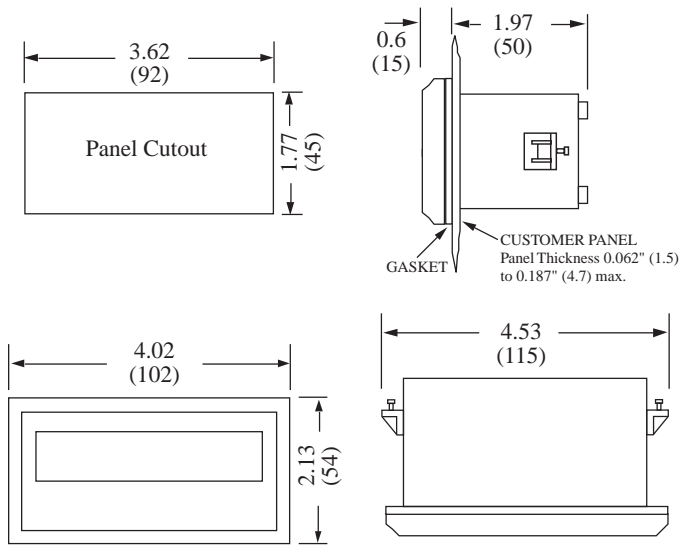
A message can be assigned to each line of the IMC2 display. Messages can scroll, flash, have a minimum time for display, be chained to other messages and be sent to the serial port for output to printers or other devices. They can also be designated to be linked together to form menus or lists (links) which the operator can scroll through using the NEXT or PREV keys.
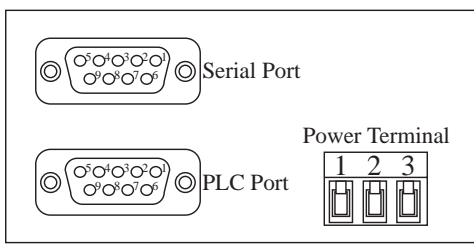
Specifications

Display	2 x 16 Character Backlit LCD
Character Size	0.23" (5.5mm)
Memory	EEPROM
Set-Up	PC software supplied (Windows based)
Programming	via RS-232
Message Request	via message triggering register or function key
Function Keys	6 user programmable function keys
Power Supply	8-30 VDC
Power Consumption	3 W maximum
Operating Temperature	32° to 122° F (0° to 50° C)
Dimensions	W= 4.02" (102), H= 2.13" (54), D= 1.97" (50)
Cutout	W= 3.62" (92), H= 1.77" (45)
Environmental	NEMA4 / IP65
Approvals	CE Pending

Mounting:
Dimensions in Inches (mm)

3.62
(92)

Panel Cutout

1.77
(45)

0.6
(15)

1.97
(50)

CUSTOMER PANEL
Panel Thickness 0.062" (1.5)
to 0.187" (4.7) max.

GASKET

4.02
(102)

2.13
(54)

4.53
(115)

Termination:

Serial Port

PLC Port

Power Terminal
1 2 3

Rear View

1• DC+ (8 to 30 VDC Supply)
2• DC- (DC Supply Return)
3• EARTH

How To Order:

EXAMPLE:	IMC2	C

Series
IMC-2

Operating Voltage
C = 8-30 VDC

For PLC Type
Use Smart cable part number as indicated below. Also refer to
SMIC Cables in the Accessories Section of this catalog.
The IMC2 will not operate without a cable and software.

EXAMPLE:	SMIC-	GE90-	05
Series			

PLC Type

AB500	AB SLC500 types with DH485 port
ABDF1	AB SLC500 5/03, 5/04 with DF1 port
ABMICRO	AB MicroLogix only
ARO	All Aromat FP1 Series
FUJI	Fuji Flex Series NB, NJ and NS
GE90	All GE 90 Series SNP Port
IDECM1	Idec M1 and FA2J
IDECM3	Idec Micro3 Series
K205	Koyo DL230, DL240, DL250
K305	Siemens Simatic 335, Koyo 340
K405	Siemens Simatic 425, 435, Koyo 440
KEY	Keyence KV 10,16,24,40 & 80, KV300
MOD	Modicon Micro 84; 884; 984; Open Modbus and J-Bus
MODMICRO	Modicon Micro 984
MITFX	Mitsubishi FX Series
MITFXO	Mitsubishi FXo only
OMCK25	Omron C Series, (Host link modules)
OMCH9	Omron CH Series
OMCQM	Omron CQM1 Series
SIS5	Siemens S5 Series, 95, 100, 102, 103, 115
SIS7	Siemens S7-200 Series
TSBEX	Toshiba EX Series & M Series Program Port
TSB485	Toshiba EX & M Series RS-422 Link Port
TSBT1	Toshiba T1 only
TSBT2	Toshiba T2 and T3
TSX07	Telemecanique TSX 07 (nano), TSX37
TSX17	Telemecanique TSX 17
TSX47	Telemecanique TSX 47-40, TSX 47-20

Cable Length
05 = 5 feet

Accessories:
ZA9M9F - Five feet of cable with DB9 male connector and
DB9 female connector.
(PC end, normally used for "AT" COM1)

ZA9M25F - Five feet of cable with DB9 male connector and
DB25 female connector.
(PC end, normally used for "XT" or "AT" COM2)

MMISOFT - Setup software for MMI-1XX, IMMI-2XX and IMC2