PCI 185/185E
MASTER MESSAGE DISPLAY

FEATURES:

■ **Two-way communication between operator and machine**

■ **5 x 7 dot matrix characters, 10 ft. (3.05 m) viewing distance**

ADVANCED FEATURES:

■ **Power and Battery Status LED Indicators**

■ **16 User-Defined Function Keys featuring changeable legends**

■ **Numeric Keypad**

■ **Front Panel Setup Buttons, Mode, Enter, and Restart**

■ **Real-time Clock and Data Logger**

■ **Message Memory: EEPROM (8-128K)**

■ **115/230 VAC (standard), 24 VDC (optional)**

■ **UL Listed**

■ **CSA Certified**

■ **FM Division I, Class 2, Groups A, B, C, D**

■ **Front Panel: NEMA 12**

The PCI 185 Programmable Communications Interface (PCI) display provides two-way communication to various PCs and PLCs. Parameters are set up with front panel pushbuttons.

The PCI 185 is a compact and versatile 2- or 4-line display, with 20 or 40 vacuum fluorescent characters per line.

The PCI 185E is a compact and versatile 2 line display, with 20 vacuum flouresent characters.

Depending on which options you order, the PCI 185/185E can have 8K, 32K, 64K, or 128K of EEPROM memory. Also available as an option is an extra board, which adds a parallel, slave, and printer port to the unit. Options boards are not available on the PCI 185E.

The PCI 185 features chaining, blinking, scrolling, printing, and centering messages. Hardware features include data logging, message queuing with prioritization capability, and the ability to program messages in U.S., English, Swedish, French, Danish,

German, Cyrillic, and Japanese Kana international character sets. Literally hundreds of messages can be stored in the PCI 185 and selected by the PLC for display of alarms, machine conditions, and operator prompting. The PCI 185 comes with drivers that allow it to be interfaced to over 30 different brands and/or models of PLCs.

Any ASCII terminal or personal computer with an RS-232C interface can be used to program a whole network of message displays. *Free* custom software provides the menus, prompts and help screens that make message entry and editing easy...
And, the message simulation feature lets you see your messages as they will appear on your PCI 185.

UTICOR

SPECIFICATIONS

MECHANICAL

Weight:
4.5 lb. (2.04 kg)

Housing:
Rugged Black Aluminum Case

Front Plate:
NEMA 12
NEMA 4X - Stainless Steel

Dimensions:
See drawing-inches (mm)

DISPLAY

Display Technology:
Vacuum Fluorescent (blue)

Lines:
2 or 4 — PCI 185
2 — PCI 185E

Characters per line:
20 or 40 — PCI 185
20 — PCI 185E

Characters:
5 x 7 dot matrix

Display Configuration:
2 lines x 20 characters per line*
(*PCI 185E only)
2 lines x 40 characters per line
4 lines x 20 characters per line

Viewing Distance:
10 ft. (3.05 m)

ELECTRICAL

Slave Port:
Optional

Computer Port:
Standard ASCII

Parallel Port Inputs:
20 (optional)

Parallel Port Source Inputs:
10-30 VDC

Printer Port:
Optional — PCI 185
No Optional ports on PCI 185E

Power Source:
115 VAC (102-132) /
230VAC (194-250)

24 VDC Isolated Power Supply
(PCI 185E only 24 VDC)

Electrical Interference:
NEMA ICS 2-230 Showering Arc Test

Electrical Tolerance:
ANSI C37.90a-1974 (SWC) Surge
Withstand Capability Test

MEMORY

Battery Life-OFF continuously:
Typically 5 years (minimum $1^{1}/_{2}$ years)

Memory Message Type:
EEPROM (8K, 32K, 64K, 128K)

Life:
EEPROM Min. 10,000 changes
to a given location

Memory Usage:
Approximately 175 80-character
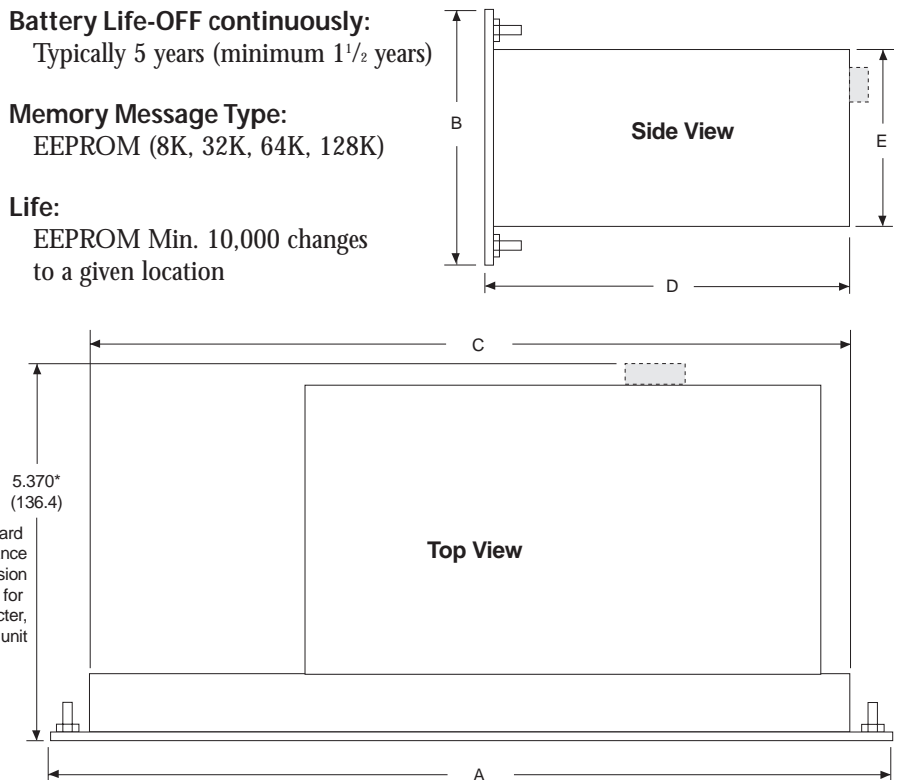messages per 16K Bytes of memory

ENVIRONMENTAL

Temperature (Ambient):
Operational: 32 to 140 °F
(0 to 60 °C)

Storage: -40 to +203 °F
(-40 to +95 °C)

Humidity:
10 to 95% RH, Noncondensing

Enclosure Rating:
NEMA 12

Mounting Dimensions:

Side View

5.370*
(136.4)

(Optional) Board
Connector Clearance
Dimension
* 5.385 (136.9) for
2 Line/40 Character,
NEMA 4X unit

Top View

PCI 185	NEMA	A	B	C	D	E
4 Line/20 Character 16 F. Keys/Numeric Pad	12	11.838 (300.7)	5.169 (156.7)	10.838 (275.3)	5.175 (131.5)	4.669 (118.6)
2 Line/40 Character* 16 F. Keys/Numeric Pad	12	13.875 (352.4)	5.870 (149.1)	12.875 (327.0)	5.190 (131.8)	4.370 (111.0)