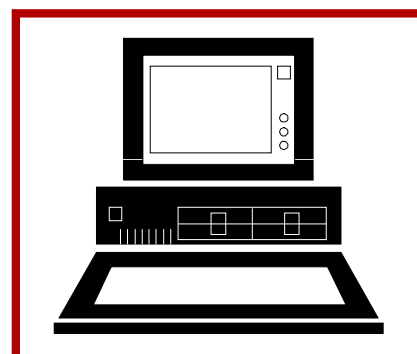
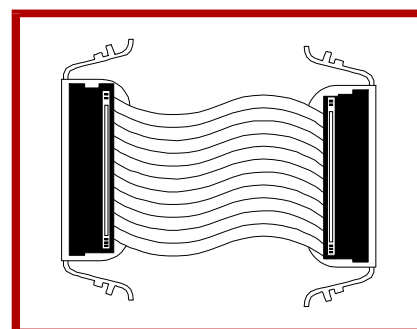
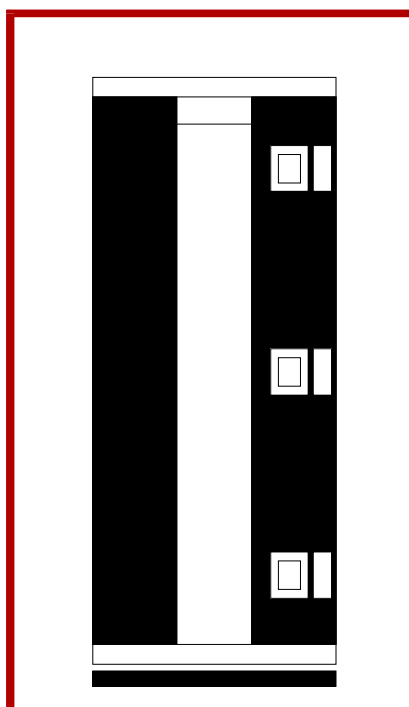
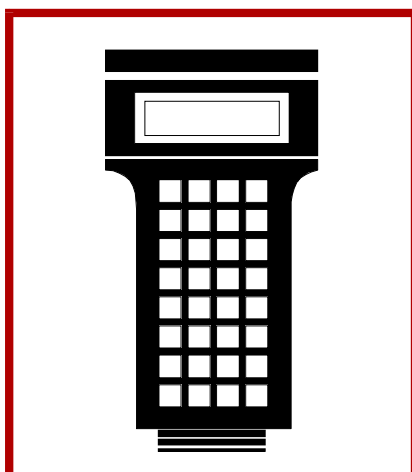
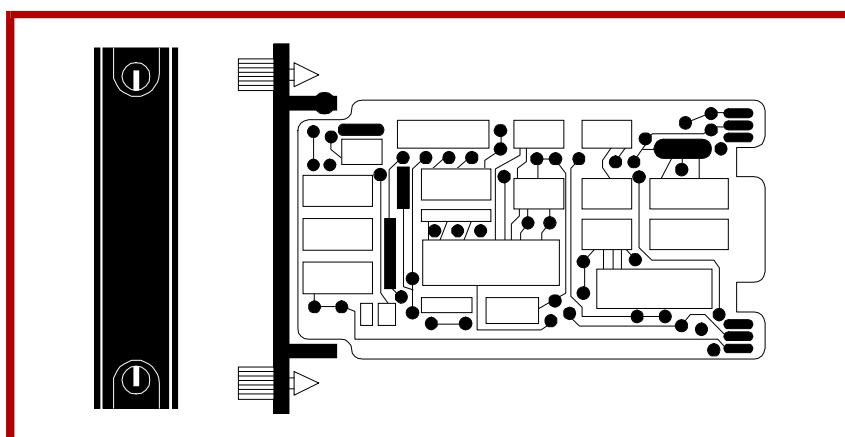
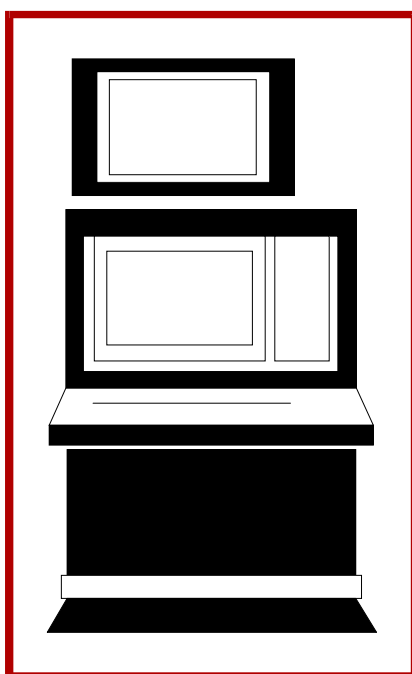


E96-221

Bailey®
infi 90

Instruction

Communication Port Module (IMCPM02)



Controls custom bus circuits and support circuitry. The board attaches to the faceplate with two screws.

HARDWARE APPLICATION

Applications that require local tuning and configuration of modules in an INFI 90 PCU unit can use the IMCPM02 module. Since it interfaces to both a CTT terminal and an EWS station, the IMCPM02 module minimizes hardware requirements.

INTENDED USER

The installation engineer needs to know how to handle and work with electronic equipment safely. Installers should have formal training in INFI 90 processes and configuration.

INSTRUCTION CONTENT

This manual provides introductory, installation, operation, troubleshooting and maintenance information. Read and understand this manual thoroughly before putting the module into operation. Refer to the sections in this list as required for more information.

Introduction	Provides an overview of the module, a description of the hardware, a glossary of terms and abbreviations and a table of physical, electrical and environmental specifications.
Description and Operation	Uses block diagrams to explain what the key circuits do.
Installation	Takes you through the handling, inspection, configuration and installation aspects of the module.
Operation	Discusses the faceplate indicators and controls, and everyday operation.
Troubleshooting	Contains tables that explain LED codes and corrective actions.
Repair/Replacement Procedures	Describes how to maintain and replace the module.
Support Services	Lists replacement parts and warranty policy.

HOW TO USE THIS MANUAL

Read this manual in sequence. To get the best use out of this manual, read it from cover to cover, then go back to specific sections. Bailey Controls strongly advises against putting the module into operation until you have read and done all the installation steps.

1. Read and do all steps in **Section 3**.

GLOSSARY OF TERMS AND ABBREVIATIONS *(continued)*

Table 1-3. Glossary of Terms and Abbreviations (continued)

Term	Description
TMU	Termination mounting unit. A card cage that provides housing for INFI 90/Network 90 termination modules.
TM	Termination module. Provides input/output connection between plant equipment and the INFI 90/Network 90 modules.
TU	Termination unit. Provides input/output connection between plant equipment and the INFI 90/Network 90 modules.

SPECIFICATIONS

Table 1-4 contains the specifications for the IMCPM02 module.

Table 1-4. Specifications

Property	Characteristics
Current Consumption	0.81 A maximum, 750 mA typical, at +5 VDC
Power Dissipation	4.1 W maximum, 3.8 W typical
Microprocessor	32 bit processor (16 bit external bus) running at 16 MHz
Memory	128 kbytes of ROM 256 kbytes of RAM
Serial Ports	1 - isolated RS-232-C at up to 19.2 kbaud
Electromagnetic/ Radio Frequency Interference	Values not available at this time. Keep cabinet doors closed. Do not use communication equipment any closer than 2 meters from the cabinet.
Dimensions	76.2 mm (3 in.) 279.4 mm (11 in.) 355.6 mm (14 in.)
Weight	0.68 kg (1.5 lb)
Environmental	
Ambient Temperature	0° to +70°C (32° to 158°F)
Relative Humidity	5% to 90% R.H. (5%) up to 55°C (131°F) (noncondensing) 5% to 40% R.H. (5%) at 70°C (158°F) (noncondensing)
Atmospheric Pressure	Sea level to 3 km (1.86 mi)
Certification	CSA certified for use as process control equipment in ordinary (non-hazardous) locations.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.