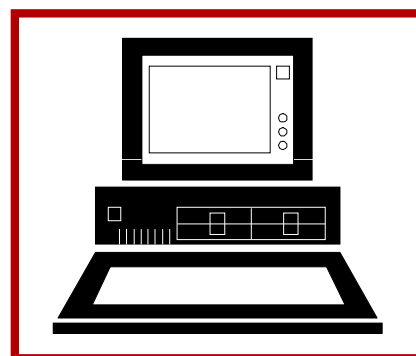
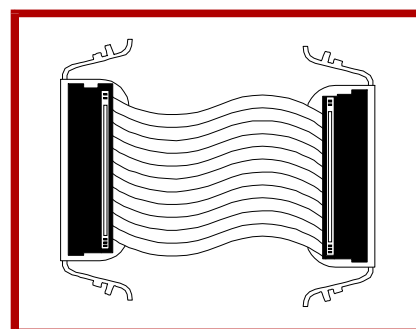
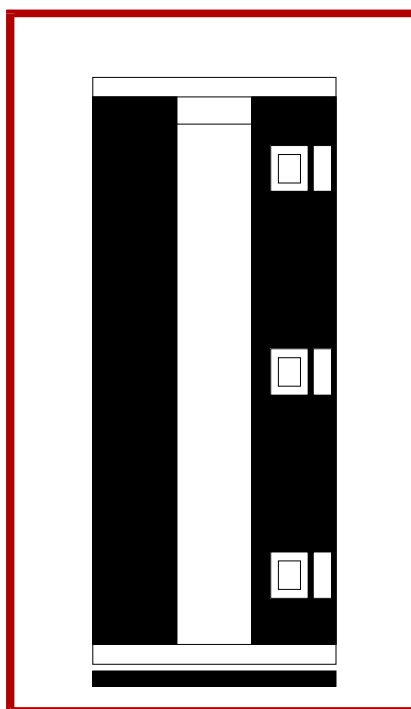
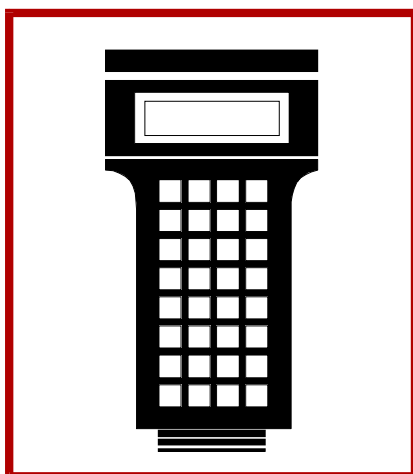
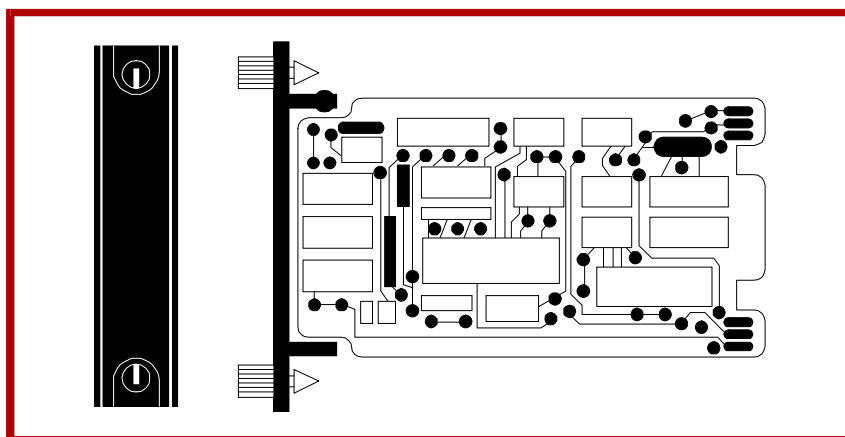
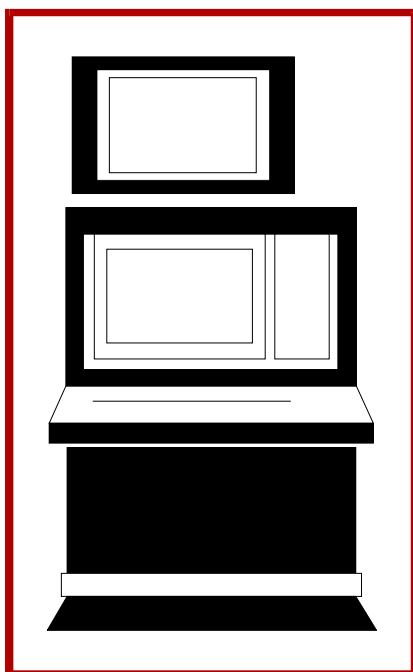


E96-309

Bailey®
infi 90

Instruction

Digital I/O Slave Module (IMDSM05)



Preface

The Digital Slave Module (IMDSM05) is an interface for up to sixteen digital I/O field signals to the Infi 90 Process Management System. These digital inputs and outputs are used by master modules to monitor and control a process.

The DSM slave module is used with the Multi-Function Processor (MFP) and Logic Master Module (LMM). The input/output circuitry on the DSM allows it to handle signals between Infi 90 MFPs/LMMs and digital devices in the process system. The DSM also handles signals between MFPs/LMMs and Digital Logic Stations (NDLS02).

This modular flexibility suits the DSM to a wide range of applications. The advanced electronic design of the DSM gives the module the capability to handle the increasing throughput demands of process control systems.

This instruction explains the slave module features, specifications and operation. It details the procedures you must follow to set up and install an IMDSM05 module, and explains status indicators that help in system test and diagnosis.

The system engineer or technician should read and understand this instruction before installing and operating the slave module. A complete understanding of the Infi 90 system is beneficial to the user.

REFERENCE DOCUMENTS

I-E96-201	Multi-Function Processor (IMMFP01)
I-E96-202	Multi-Function Processor (IMMFP02)
I-E96-209	Logic Master Module (IMLMM02)
I-E93-911	Termination Unit Manual
I-E96-110	Operator Interface Station
I-E93-916	Engineering Work Station
I-E92-501-2	Configuration and Tuning Terminal
I-E93-900-20	Function Code Application Manual

NOMENCLATURE

The following modules and equipment can be used with a DSM:

IMMFP01/02	Multi-Function Processor Module
IMLMM02	Logic Master Module
NDLS02	Digital Logic Station
NIDI01	Termination Module, Digital Inputs\Outputs
NTDI0	Termination Unit, Digital Inputs\Outputs
NTDO02	Termination Unit, Digital Outputs
NTLS01	Termination Unit, Digital Logic Station
NKTM01	Cable, Termination Module
NKTU02	Cable, Termination Module
NKTU01	Cable, Termination Unit

SPECIFICATIONS

Power Supply	± 5 VDC Logic Supply $\pm 5\%$ ± 24 VDC I/O Supply 21.6 VDC to 27.0 VDC
Current Consumption	5 VDC: 757 mA typical 867 mA maximum
Dissipation	4.6 Watts (logic) 5.0 Watts (I/O)
Inputs	
24 V Logic High Level Input Voltage	V I/O 4.0 Volts minimum
24 V Logic Low Level Input Voltage	V I/O 16.5 Volts maximum
24 V Logic Low Level Input Current	-11.8 mA maximum