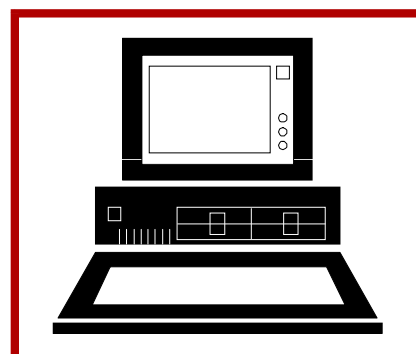
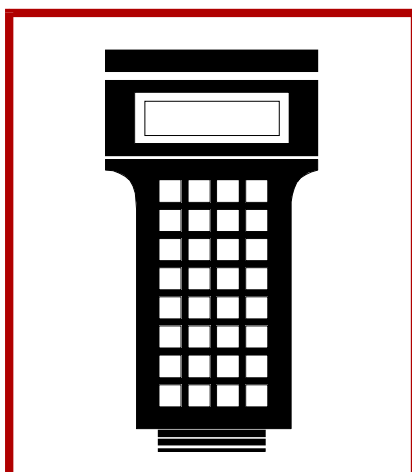
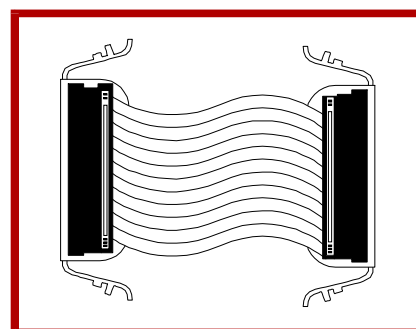
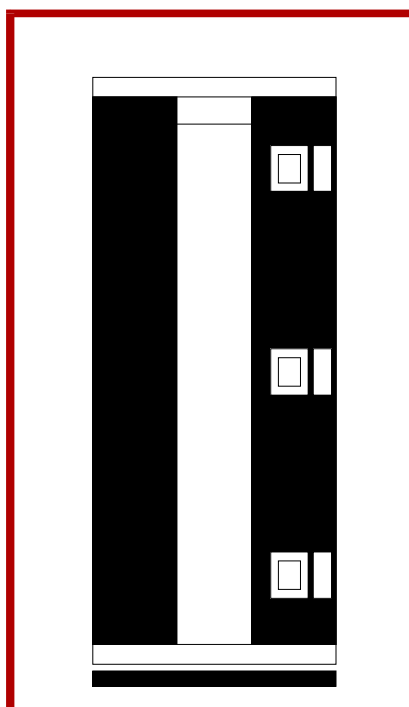
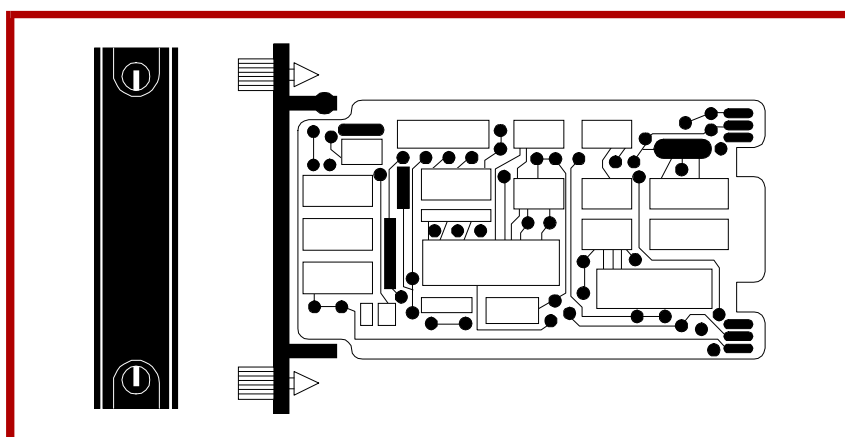
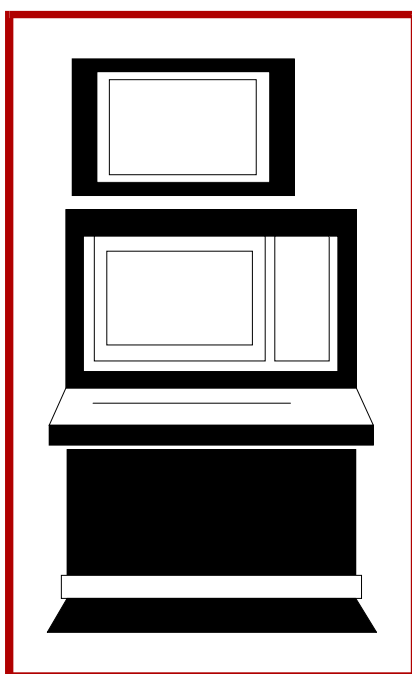


E96-410

Bailey®
infi 90

Instruction

Digital Input Termination Module (NIDI01)



NOMENCLATURE

Table 1-3 is a list of related hardware.

Table 1-3. Nomenclature

Nomenclature	Hardware/Description
NIDI01	Digital input termination module.
NKTU02	Termination module cable (PVC).
NKTU12	Termination module cable (non-PVC).
NKTM01	Termination module cable (ribbon).
NTMU01	Termination mounting unit, rear mounting.
NTMU02	Termination mounting unit, front mounting.
258436A1	Cable retaining kit used when at least one round cable is connected to the termination mounting unit.

SPECIFICATIONS

Refer to Table 1-4 for the specifications of the IDI termination module.

Table 1-4. Specifications

Property	Characteristic/Value																																																									
Power Requirements	+24 VDC from 24 VDC bus bar of the termination mounting unit (when used with IMASO01, IMDSM04 and IMDSM05 modules).																																																									
Mounting	Occupies one slot in a standard INFI 90 termination mounting unit.																																																									
Surge Protection	Meets IEEE-472-1974 Surge Withstand Capability Test ¹ .																																																									
Inputs and Outputs	<table><tr><th rowspan="2">Module</th><th rowspan="2">Qty</th><th colspan="2">Inputs</th><th colspan="2">Outputs</th></tr><tr><th>Analog</th><th>Digital</th><th>Analog</th><th>Digital</th></tr><tr><td>IMASO01</td><td>10</td><td></td><td></td><td>1-5 VDC and 4-20 mA</td><td></td></tr><tr><td>IMDSI02</td><td>16</td><td></td><td>120 VAC, 125 VDC and 24 VDC</td><td></td><td></td></tr><tr><td>IMDSM04</td><td>8</td><td></td><td>50 mVp-p - 10 Vp-p, 0-6 VDC, and 0-27 VDC</td><td></td><td></td></tr><tr><td rowspan="2">IMDSM05</td><td>up to 16</td><td></td><td>24 VDC</td><td></td><td></td></tr><tr><td>up to 16</td><td></td><td></td><td></td><td>24 VDC</td></tr><tr><td>IMDSO01/02/03</td><td>8</td><td></td><td></td><td></td><td>24-240 VAC, 4-60 VDC, and 5-160 VDC</td></tr><tr><td>IMDSO04</td><td>16</td><td></td><td></td><td></td><td>24 VDC</td></tr><tr><td>IMFCS01</td><td>1</td><td></td><td>0.3 Vp-p - 120 VAC</td><td></td><td></td></tr></table>	Module	Qty	Inputs		Outputs		Analog	Digital	Analog	Digital	IMASO01	10			1-5 VDC and 4-20 mA		IMDSI02	16		120 VAC, 125 VDC and 24 VDC			IMDSM04	8		50 mVp-p - 10 Vp-p, 0-6 VDC, and 0-27 VDC			IMDSM05	up to 16		24 VDC			up to 16				24 VDC	IMDSO01/02/03	8				24-240 VAC, 4-60 VDC, and 5-160 VDC	IMDSO04	16				24 VDC	IMFCS01	1		0.3 Vp-p - 120 VAC		
Module	Qty			Inputs		Outputs																																																				
		Analog	Digital	Analog	Digital																																																					
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IMDSO04	16				24 VDC																																																					
IMFCS01	1		0.3 Vp-p - 120 VAC																																																							

Table 1-4. Specifications (continued)

Property	Characteristic/Value					
Inputs and Outputs (continued)	Module	Qty	Inputs		Outputs	
			Analog	Digital	Analog	Digital
	IMHSS02	2	LVDT secondary inputs ²			
		2			servo drive outputs ²	
		1			LVDT primary drive ²	
		3		raise, lower and trip bias signals ²		
		1				emergency manual drive signal ²
	IMLMM02	8		125 VDC, 120 VAC and 24 VDC		
Environmental:						
Ambient Temperature	0° to 70°C (32° to 158°F).					
Relative Humidity	0% to 95% up to 55°C (131°F) (noncondensing). 0% to 45% up to 70°C (158°F) (noncondensing).					
Air Quality	Noncorrosive.					
Certification	CSA certified for use as process control equipment in an ordinary (nonhazardous) location.					

NOTES:

1. Do not use the NKTM01 cable when compliance with IEEE-472-1974 is necessary.
2. Refer to the **Hydraulic Servo Slave Module** instruction manual for more details about input and output signal requirements.

Specifications subject to change without notice.