BAILEY INFI 90

Product Data Sheet

NIMP01

Multifunction Processor Termination Module

SUPPLY VOLTAGE	MAXIMUM CURRENT CONSUMPTION	RS-232-C INTERFACES	ALTERNATIVE PORT ARRANGEMENT
24 V DC	**210 mA**	**2 isolated serial ports**	**1 RS-232-C plus 1 non-isolated RS-485**

ABB Bailey NIMP01 is an INFI 90 multifunction-processor termination module that brings the processor serial interfaces to the field connection arrangement. It provides two isolated RS-232-C ports; one port can instead be configured as a non-isolated RS-485 interface. The board occupies one slot in an NTMU01 or NTMU02 termination mounting unit.

01 TECHNICAL DATA

Supply voltage	24 V DC
Maximum current consumption	210 mA
RS-232-C interfaces	2 isolated serial ports
Alternative port arrangement	1 RS-232-C plus 1 non-isolated RS-485
Control-station serial links	1
Configurable jumpers	18
Operating temperature	0 to 70 C
Relative humidity	5 to 90% +/-5%, noncondensing
Maximum altitude	3 km
Field-supply fuse	1.0 A / 250 V DC

Bailey INFI 90 Instruction I-E96-401A; NIMP01/02 specifications, wiring and replacement instructions.

02 ADDITIONAL PRODUCT DATA

TMU slot requirement	1
RS-485 selection jumper	J18 pins 1-2; use P7
RS-232 mode terminal connector	P5
Serial device cable limit	15 m for listed HCBL01 cable
Termination-module cable limit	30 m for listed NKTM01 cable

03 PRODUCT FUNCTION

The manufacturer instruction specifies 24 V DC supply and 210 mA maximum current consumption. Eighteen configurable jumpers establish the serial-port and related connection arrangements, including J18 selection for the RS-485 port. Operation is specified from 0 to 70 C, and the module includes a 1.0 A, 250 V DC fuse identified in the replacement instructions.

04 SYSTEM COMPATIBILITY

Use the applicable NKTM01, NKTU02 or NKTU12 connection arrangement for the installed processor and termination configuration. For RS-485 selection, J18 pins 1 and 2 are linked and P7 is used in place of P5; the P5 terminal serial port is inactive in that mode.

05 REFERENCE

Bailey INFI 90 Instruction I-E96-401A; NIMP01/02 specifications, wiring and replacement instructions.

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