Node Services Module

8510-MO-NS

- *stores node configuration*
- *retains configuration on BIM swap*
- *used to define LAN address of node*
- *used to transfer configurations between nodes*
- *manages redundant PSU failure*

MODULE SPECIFICATION

See also System Specification

INPUTS

8910 PSU signal inputs 2
8913/4 PSU external power fail signal inputs 8
Incoming power fail signal levels
PSU OK .....< 0.5 V @ 10 mA
PSU failed .....< 100 µA @ 12 V DC
Input voltage .....± 15 V DC (max.)

CONFIGURATION MEMORY

Memory type .....serial EEPROM, non-volatile
Data retention period .....> 40 years
Write cycles .....> 100,000
Configuration read or write time .....7.5 s (typ.)
.....15 s (max.)

CONFIGURATION SWITCHES (See Fig. A and Table 1)

Write protect (Sw 1) .....DIL, on/off
Auto configure (Sw 2 & 3) .....DIL (x2), on/off
2/2 only system (Sw 4) .....DIL, on/off

ADDRESS SWITCHES (Fig. B)

LAN A address .....rotary (x3), 0–9
LAN B offset .....rotary (x1), 0–9

Figure A
Configuration switches

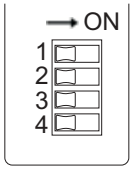


Figure B
Address switches

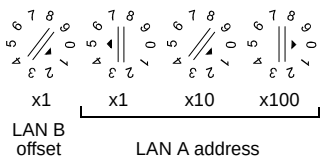
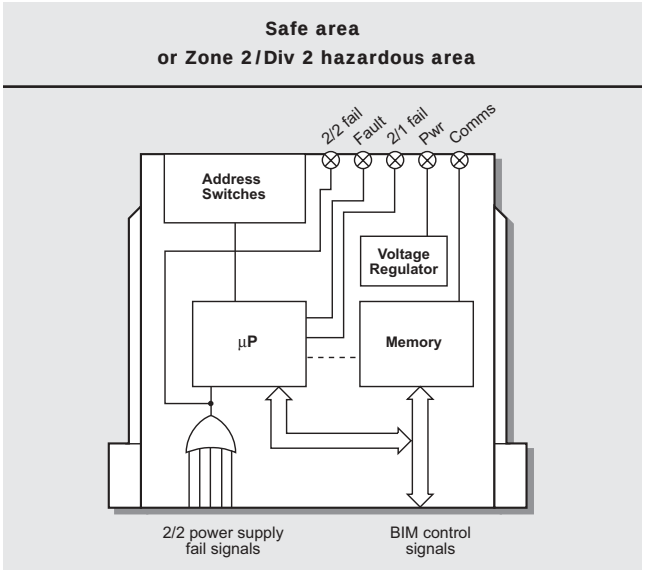


Table 1

Auto config. setting	THC mode	RTD mode
Switch 2	Type K	3-wire Pt100
Switch 3	Type J	4-wire Pt100
Switch 2 & 3	mV	3-wire resistance



LED INDICATORS

Power, Fault, Comms, 2/2 fail, 2/1 fail

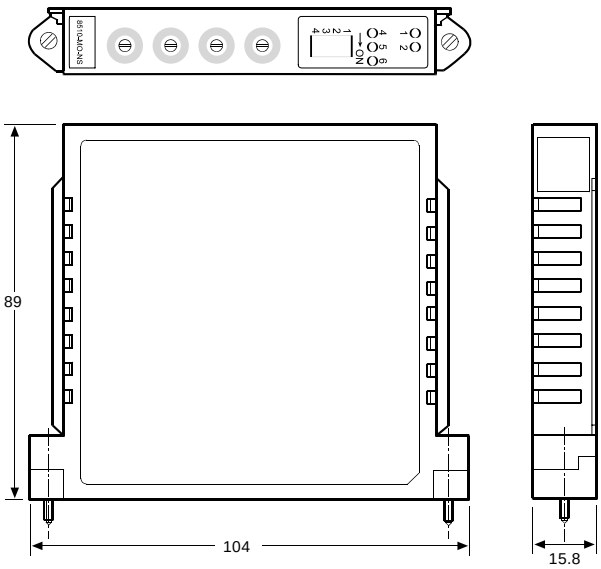
POWER SUPPLIES

Railbus (12V) current
.....30 mA (max.)

MECHANICAL

Weight.....100 g (nom.)
Mounting.....compatible with 8711, 8712 & 8718 carriers

DIMENSIONS (mm)



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