

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 inputs2
 8913/4 PSU external power fail signal inputs8
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

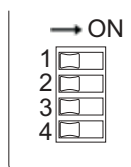


Figure B
Address switches

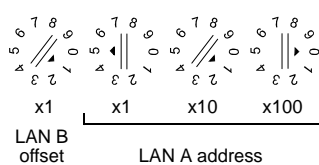
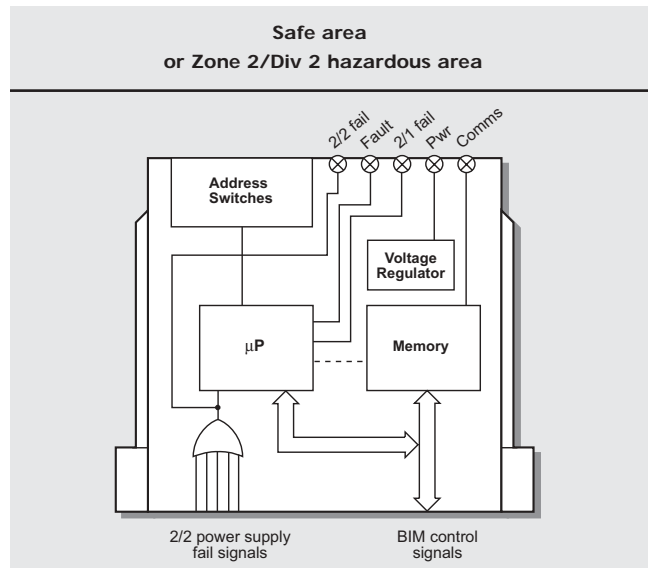


Table 1

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)

