

## System Interface Unit (SIU) - Model Number CSC004



### Features:

- NFPA Styles 4 and 7 wiring applicable
- Max. 64 nodes available on network
- Status LEDs
- Compact size unit
- Easy installation

### Description:

The SIU is the optional device for the system. The SIU provides the system with an ability to establish communication between System Monitoring Program (SMP) installed in personal computer and FACPs on network. The network is comprised of 64 nodes so that 1 set of SIU and SMP is able to communicate with 63 FACPs maximum.

The SIU is comprised of two parts such as the AC/DC switching power supply part and the communication part. The AC/DC switching power supply part converts the AC power to the DC power, and supplies the 24 VDC power to the communication part for its operation. The communication part consists of a central microprocessor, Arcnet controller, and memory that allows it to communicate with other FACPs on the network. Using the optional Fiber-optic Interface Module (FIM) together with SIU provides the system with an ability to use the fiber optic system for the network. The 5 VDC power for FIM operation is also supplied from the SIU to the FIM when required.

The SIU can be easily connected to the RS-232C port of SMP personal computer using a dedicated connector cable.

The SIU equips with status LEDs. The [+5V] LED (green) indicates normal supply of 5 VDC to the communication part when it is on. The [TXN] LED (green) indicates normal communication with the personal computer of SMP when flashing. The [TXD] LED (green) indicates normal communication with network when it is on. The [ATBL] LED (yellow) indicates open circuit in wiring for Port A when it is on. The [BTBL] LED (yellow) indicates open circuit in wiring for Port B when it is on.

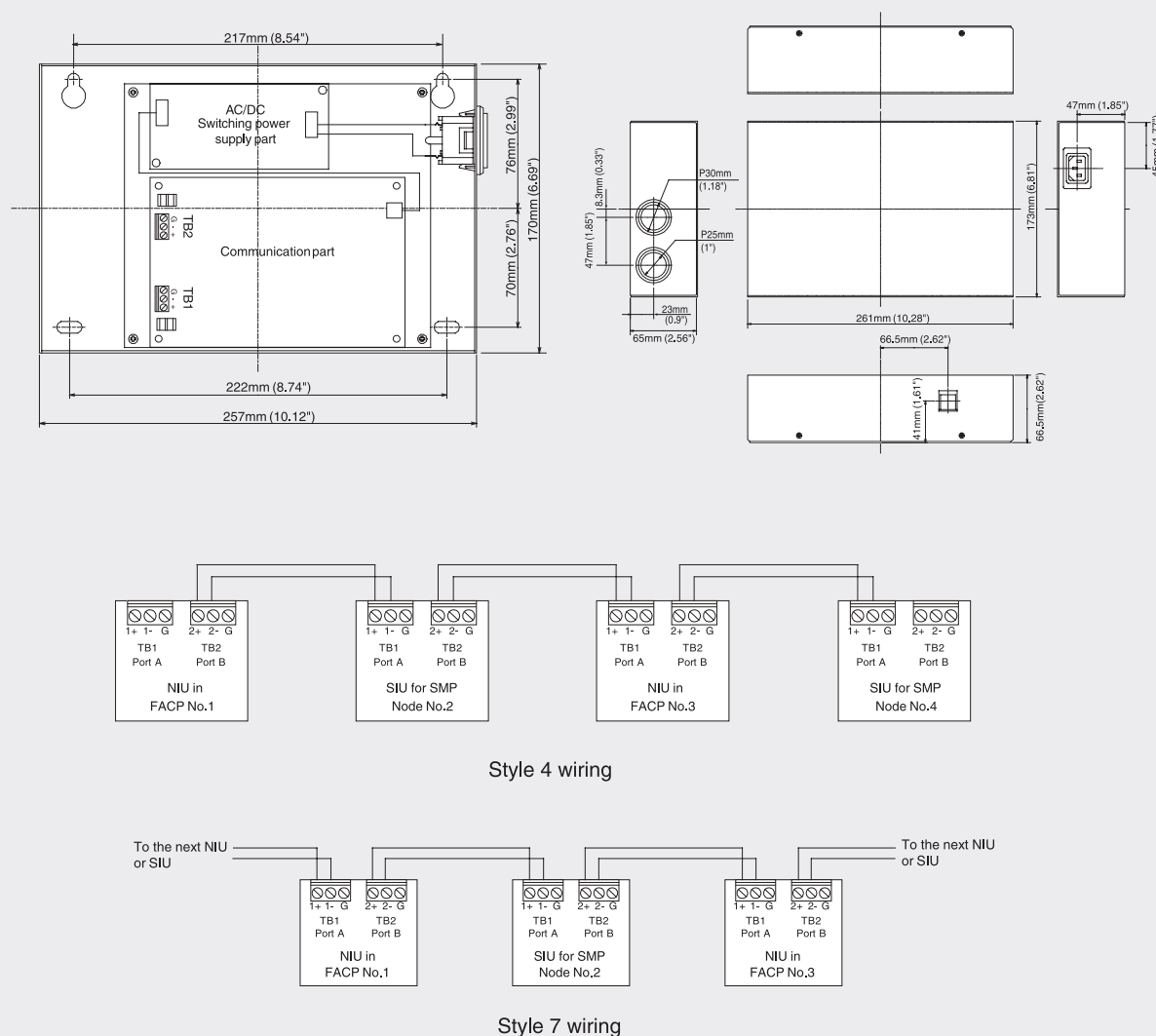
### Ordering information:

- Model no. CSC004

### Specifications:

No.	Item	Specification
1	Rated Ac input voltage	120V/240VAC
2	Maximum electric power consumption	25VA(120VAC)/32VA(240VAC)
3	Network wiring style	NFPA Styles 4 and 7
4	Maximum no. of node	64
5	Max. network length between a node and another node	In the case of copper/metal cable: 600m In the case of fiber optic: 2000m (50/125), 1700m (62.5/125)
6	Wiring characteristic impedance	100 $\Omega$
7	Maximum wiring DC resistance	72 $\Omega$
8	Maximum wiring capacitance	80 nF
9	Operating temperature range	32 to 120 °F (0 to 49 °C)
10	Operating humidity range	0 to 85% $\pm$ 5% (Non-condensing)
11	Body color	Beige/yellow
12	Dimensions	261mm (10.28") (H) x 173mm (6.81") (W) x 66.5mm (2.62") (D)

## Installation and wiring information:



### Note:

- These instructions do not purport to cover all the details or variations in the equipment described, nor provide for every possible contingency to be met in connection with installation, operation and maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on above specifications.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or a distributor in your region.

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