SX-2000CI

CONTROL INPUT UNIT



The SX-2000CI is a control input of the matrix system and can be mounted in an EIA equipment rack (1 U size). Multiple units can be decentralized in a whole system. It is equipped with 32 control input channels. Control input line failure can be detected by connecting resistors to its line. The indicators on the front panel monitor the control input line status. The SX-2000CI has a function to supply a stabilized 24 V DC. The SX-2000CI has two power inputs and can support a dual-redundant power supply system. By using a stand-alone mode, system can be configured with only the SX-2000CI, SX-2000CO Control output unit and the power supply unit, permitting the contact data of multiple channels to be transmitted to the remote locations with simple wiring.

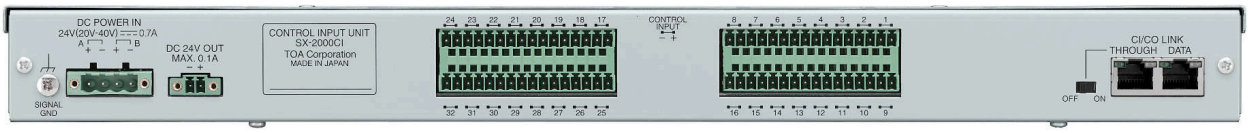
Key features

- 32 control inputs
- Control input line failure detection
- Front panel LED for monitoring the line status
- Supply of stabilized 24 V DC
- 2 independent power inputs
- Decentralised installation of multiple units possible
- RJ45 connectors

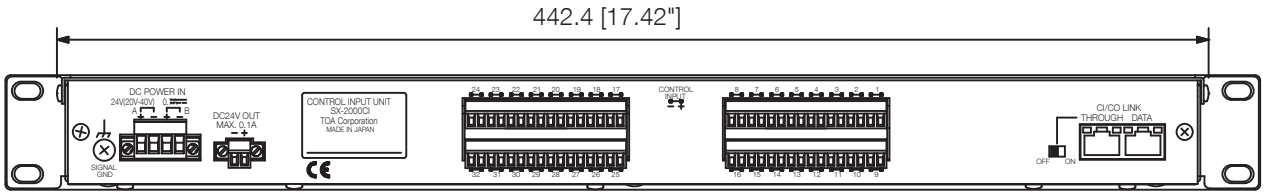
Specifications

Power Source	Applicable power supply: AD-011, AD-031B 24 V DC (operational range: 20 – 40 V DC), redundant power supply enabled using 2 channels of DC inputs
Current Consumption	Under 0.7 A (maximum value in the power operating range) Under 0.55 A (at 24 V DC operation)
Indication	Power indicator, Control input indicators (32), CPU-OFF indicator,FAULT indicator
Control Input	32 inputs, no-voltage make contacts, open voltage: 24 V DC, short-circuit current: 2 mA, photo coupler inputs, removable terminal blocks (16P)
CI/CO Link	
Input/Output Connector	RJ45 connector
Connector/Cable	Main cable: Shielded CPEV cable* or STP Category 5 straight cable * When connecting the power supply to each unit: 1-pair for data line When connecting the power supply only to the SX-2000CI: 1-pair data line and 2-pair power line for a redundant power supply system, or 1-pair data line and 1-pair power line for a non-redundant power supply system Branch cable: STP Category 5 straight cable
Maximum Cable Length	800 m
24 V DC Output	
Output Voltage	24 V DC within ±10%
Maximum Feeding Current	100 mA
Connector	Removable terminal block (2P)
Operating Temperature	0 – 40 °C
Operating Humidity	35 – 80% RH (no condensation)
Finish	Panel: Aluminum, black, anodized aluminum Case: Surface-treated steel sheet
Dimensions	482 (w) x 44 (h) x 331.5 (d) mm
Weight	3.6 kg

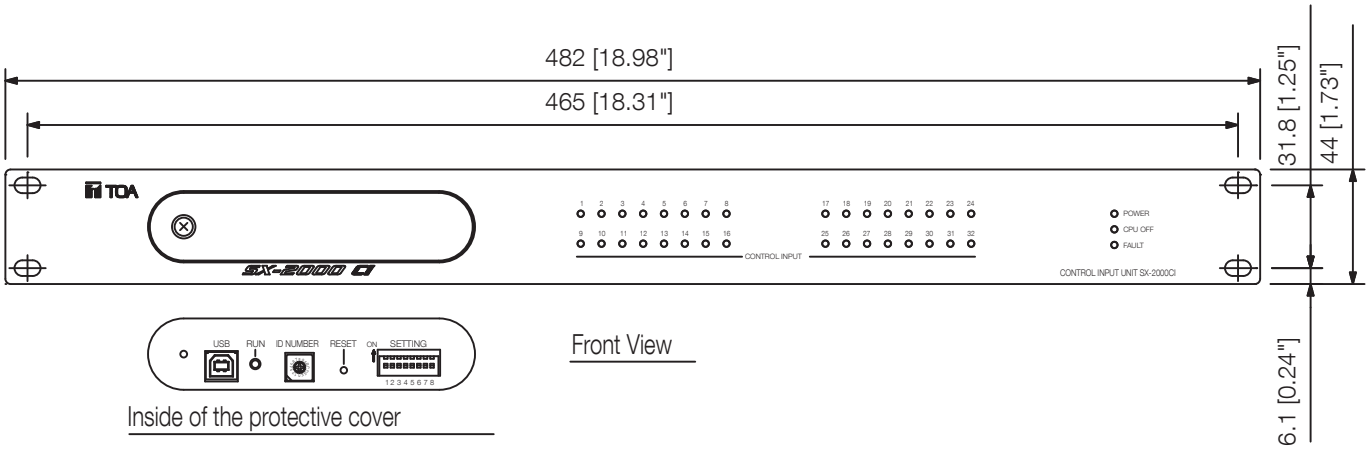
Product rear image



Dimensions

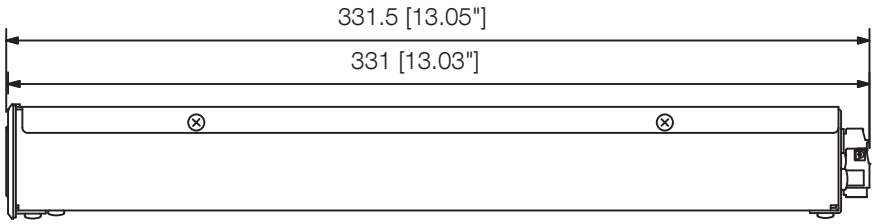


Rear View



Front View

Inside of the protective cover



Side View

UNIT:mm SCALE:1/3

A&E specifications

Control input unit for installation in 19-inch cabinet racks (IEC 60297) with 32 control inputs with opto-couplers. Each input can be monitored either. The activation of each single control input will be shown at the front by means of LEDs. The connection is via detachable connectors.
Redundant power supply for reliable power supply. Supervised access to the system via RJ45 jacks. Additional RJ45 connector for control output unit.
Regulated voltage output to the supply of external devices. More ads for supply voltage, collective fault signal and activated analog reserve way.