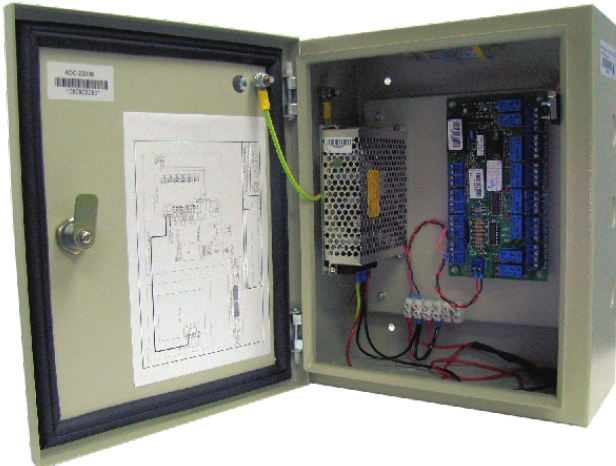




Serial Input / Output Unit



- ▶ CAT5e Connection to TCU Minimize Wiring
- ▶ Multi-Drop to the Next SIO
- ▶ 8 Input Points
- ▶ 8 Relay Output Points
- ▶ Built-in Tamper Monitoring
- ▶ Built-in Power Supply Unit
- ▶ Built-in Battery Charging Circuit

Overview

The Serial Input/Output Unit (SIO) provides 8 digital inputs and 8 relay outputs for the monitoring and control of field devices.

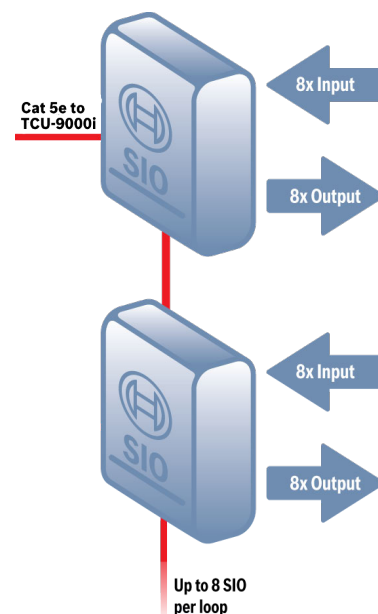
For input/output devices that are installed far away from the TCU-9000i controller location, SIO provides substantial savings in cable cost as only one CAT5e is connected between TCU-9000i and the SIO. Furthermore, up to 8 SIO can be connected in a single multi-drop configuration.

It also contains a built-in power supply unit to drive other devices, rated at 2A @ 28VDC max.

Configuration

Up to a maximum of 8 SIO can be connected in a multi-dropped (loop) configuration to the TCU-9000i controller via a CAT5e cable. The last SIO can be installed up to 1Km away from the TCU-9000i.

Each TCU-9000i supports 4x SIO loop, allowing a total of 32x SIO to be connected to one TCU-9000i, forming 256 inputs and 256 outputs.



Hardware Specification

Interface Board

- 8 x Digital Input
- 8 x Relay Output Supports 2A @ 28VDC max
- 1 x TTL Port (to TCU-9000i)
- 1 x TTL Port (to Next SIO)

General

- Input Supply: 100-240VAC, 50/60 Hz
- Input Supply to Electronics: 12VDC
- Battery Backup: 12VDC, 7AH (Optional)
- Battery Charging: On-Line Charging
- Backup Period: Approximately 4 Hours

Mechanical Specifications

- Dimension: H300mm x W250mm x D140mm
- Enclosure Material: Mild Steel, Powder Coated Spray Painting
- Weight: 5Kg
- Colour: Grey, RAL 7032

Operating Environment

- Operating Temperature: 0°-50°C (32°-120°F)
- Humidity: 10%-90% Non-Condensing

Ordering Information

Model | Description

ADC-22039 | Serial Input / Output Unit, SIO
Serial 8-Input and 8-Output Unit

Product Selection Matrix

Hardware Selection Matrix		S Series Readers (Card Scheme)			External Reader
		Mifare (Secured)	HID	EM	HID / EM Prox
Terminal Control Unit (TCU-9000i)		ADC-25555	ADC-2555	ADC-2555	ADC-2555
Cable Terminal Unit (CTU)		ADC-23091	ADC-23091	ADC-23091	ADC-23484
Serial I/O Unit (SIO)		ADC-22039	ADC-22039	ADC-22039	ADC-22039
Reader Model	Entry	LCD+KEYPAD	ADC-25379	ADC-23479	ADC-23482
		Fingerprint	ADC-25415		
	Exit	LEDs	ADC-25382	ADC-23480	ADC-23483
		Fingerprint	ADC-25417		