



Cable Termination Unit for Reader I/O



- ▶ CAT5e Connection to TCU Minimize Wiring
- ▶ 3 Input Points for Door Sensor, Exit Push Button and Emergency Breakglass
- ▶ 2 Output Points for Locking Devices
- ▶ Built-in Tamper Monitoring
- ▶ Built-in AC Power Fail Monitoring
- ▶ Built-in Power Supply Unit
- ▶ Built-in Battery Charging Circuit

Overview

The Cable Termination Unit (CTU) facilitates all cable connections to devices within the door area. It is typically mounted above the ceiling, above the controlled door.

Connection from the CTU to the TCU-9000i Controller is via a CAT5e cable which simplify and minimizes cabling.

S Series Readers are connected to the CTU near the controlled door instead of a long cable distance to the TCU-9000i controller.

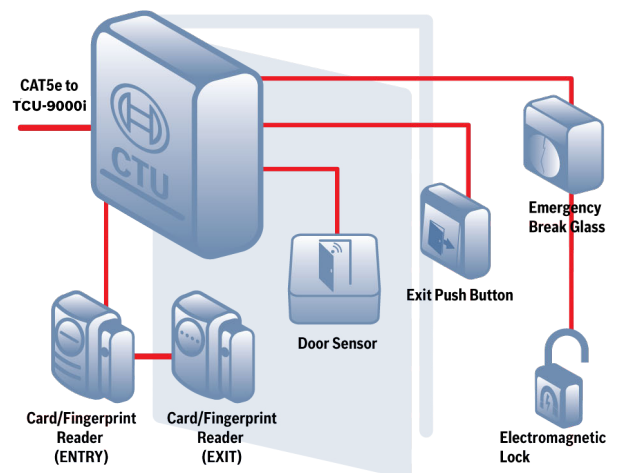
The CTU provides 3 input channels for digital input monitoring functions (eg: Door Sensor, Exit Push Button and Emergency Breakglass) and 2 relay output channels for device control functions (eg: Electromagnetic)

It also contains a built-in power supply unit to drive the electric lock(s) and other devices, rated at 2A @ 28VDC max.

Configuration

One set (Entry and Exit) of S Series Reader requires only one CTU to be connected back to the TCU-9000i controller via a single CAT5e cable.

Field Devices are connected directly to the CTU.



Hardware Specification

Interface Board:

- 3 x Digital Input
- 2 x Relay Output Supports 2A @ 28VDC max
- 1 x TTL Port (to Card Reader)
- 1 x TTL Port (to TCU9000)

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-23091 | Cable Termination Unit, CTU
 CTU for Reader I/O, for Readers with Mifare / HID / EM Card Scheme

ADC-23484 | Cable Termination Unit, CTU
 CTU for Reader I/O, for External Readers with HID / EM Card Scheme

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-25555	ADC-25555	ADC-25555	
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			