

Product Data Sheet

ISC4 On Line 4 Door Access Controller

The ISC4 controller sets new standards in access controller operation and functionality. The ISC4 is easy to install and offers a level of flexibility not found in other door controllers. The ISC4 is designed specifically for installers and end users and combines the simplicity of Morley Access Control with sitewide programming flexibility and extensive system features. The ISC4 is an online controller intended for use in conjunction with a software management system such as Visikey from Morley Electronics.

Key features of the ISC4 include;

4 reader plus 4 Keypad inputs

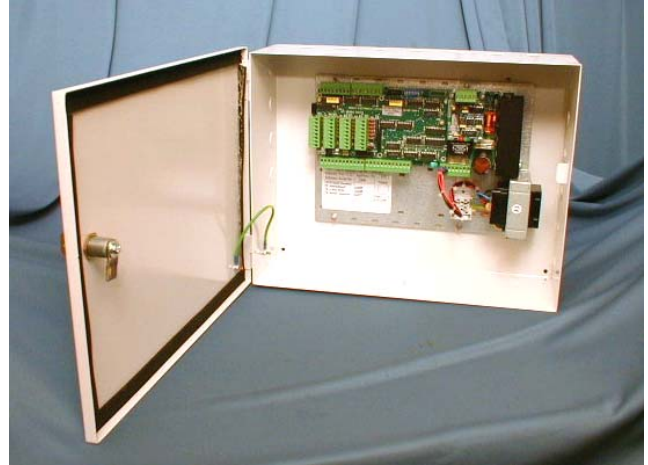
Readily accepts most available reader types

Programming via Visikey Access Software Manager

Fully configurable I/O with expansion options

On board power supply and back-up battery charging facilities as standard

Optional System Communications: Echelon, RS232 or RS485



Features

- 8 x Relays (non-dedicated)
- 8 x Clean Contact inputs (non-dedicated)
- User database with capacity for a minimum of 10,000 users
- 4 Areas, plus 4 x 16 sub-areas
- 127 Departments
- 32 Daytypes
- 32 Weektypes
- Full hierarchical APB
- Supports simultaneous multi-reader technology
- Supports up to 4 card readers and 4 keypads which can be any combination of Watermark, Wiegand, Softmagnetics, etc.
- Internal History Log of transactions and events
- Configurable cardholder Mustering for event management
- Modem dialup of one or more controllers at site, (16 controllers max per modem)
- 128Kb (256K option) of SRAM
- Memory backup battery (NiCad)
- System watchdog to monitor microprocessor operation
- Isolated inputs expandable to 40 (8 +32)
- Relay outputs expandable to 24 (8 +16)
- Integral power supply with 'Lead Acid' charger; with load shedding to prevent battery cell damage
- ISC4 offers alternate system communication options including; Echelon, RS232 or RS485 (all optional)

Morley Electronics operates a policy of continuous product improvement and reserves the right to change products without notice.

Technical Specification

Processor

- Dallas DS80C320 variant operating at a clock speed of 14.7456MHz

Watchdog

- Observes system operation and restarts system when abnormal operation is detected.

Memory

- 256K bytes of read only program (ROM) memory.
- 256K(Max) bytes of random access memory (RAM), battery backed by Lithium cell, providing a minimum of 10,000 names.

ISC4 Mains Power requirements

- 240 VAC (50/60Hz \pm 15%)
- 120 VAC (50/60Hz \pm 15%) (Optional)
- Power Consumption 60VA

ISC4 Control Power supplies

- 12.0 Vdc @ 1A Strike supply
- 12.0 Vdc @ 500mA Reader supply
- 5.0 Vdc @ 500mA ISC4 board supply
- 13.68 Vdc @ 600mA Charger output
- Power supply is load shedding.

Network connections

- IEA RS485 RS232, Echelon LonWorks Transceivers

Maximum data rate 19,200 baud

- Cable type Belden 8723
- Cable length 1.2Km

Current loop

- Maximum data rate 1,200 baud
- Cable type Belden 8723
- Cable length 1Km

Output Relays

- 8 Relays 24Vdc 1A Max
- Switched current 62.5 VA

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Maximum Recommended Controller/Reader Distance – 100M
(Dependent upon selected reader type and manufacturers specification)

Environmental Specification

Operating temperature

- Without batt. backup 0 to 55°C
- With Lead Acid batt. 0 to 40°C
- 5 to 80% RH, non-condensing.

Storage temperature

- With or without batt. 0°C to 60°C

Physical specification

- 405W X 315H X 100D (all mm.)

Ordering Information

Part No.

- 101002 - ISC4 4 door controller
- 101006 - 32 Channel Input Module
- 104001 - RS485 Interface Module
- 102002 - RS232 Interface Module
- 104007 - Echelon Transceiver Module

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