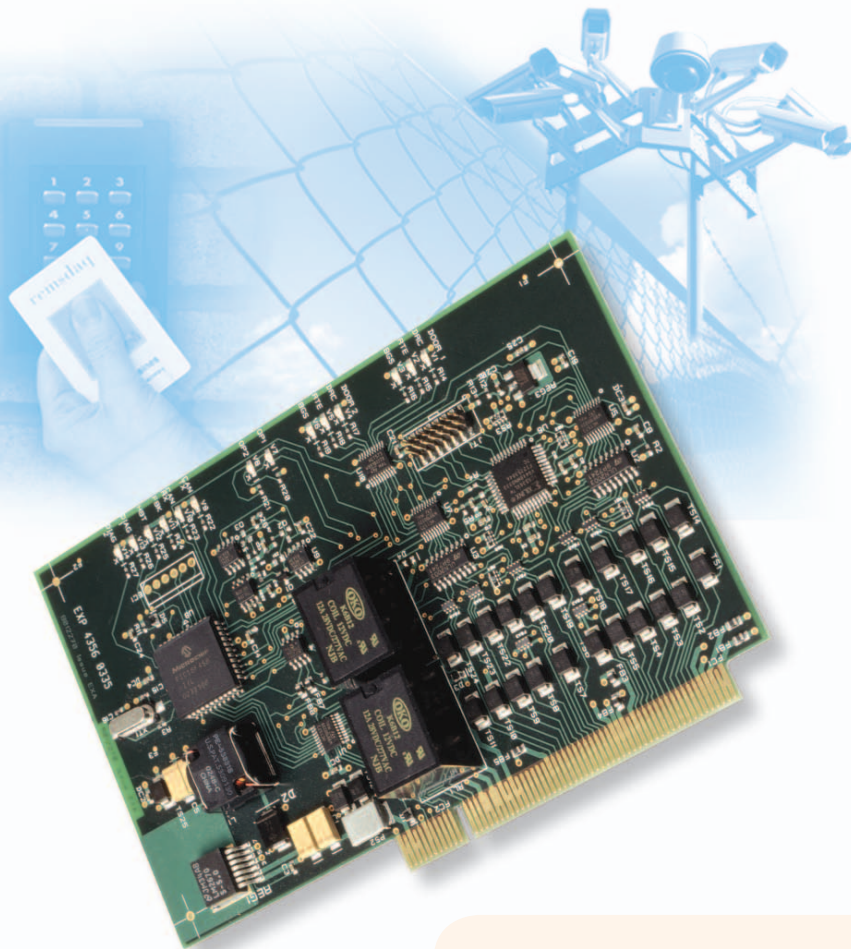


StarNET

TDEM (Two Door Expansion Module)

evolution of proven technology



FEATURES

The StarNET TDEM is able to offer the following access control facilities:-

- Up to 2 doors with entry / exit readers
- Single bi-directional turnstile with entry / exit readers
- Airlock support
- Support for combined reader / keypad
- Wiegand, magnetic stripe, water mark magnetic and biometric readers
- Fall back mode intelligence

The StarNET TDEM is a two door access control expansion unit for the StarNET family of products. It is housed in the StarNET Backplane and is designed to communicate to a StarNET ACP.

Remsdaq Part Number 12270

Up to 4 StarNET TDEM modules can assemble onto a single StarNET four-way Backplane and a total of 7 units can be connected to a single StarNET ACP to provide a maximum of 16 doors per StarNET ACP.

The StarNET TDEM communicates with its StarNET ACP host using the CAN Bus protocol at speeds of 125 Kbits per second. It is possible to extend the CAN Network to a maximum distance of 400m at this data rate.

When powered up out of the box, the StarNET TDEM will automatically receive a default configuration across the CAN Bus. If changes to this default configuration are required, a web-browser based tool known as StarWEB can be used to connect to the StarNET ACP host and effect the new configuration.

Processor

PIC 18F458 Microcontroller running at 40MHz
32 KBytes of Flash memory
1.5 KBytes of RAM
256 Bytes of EEPROM
Conforms to the CAN 2.0B spec

Dimensions

147.3mm x 98.4mm

Power Supply

+12 volts (nominal) D.C. supply.
Input D.C. voltage of +10 volts to +18 volts.

On board regulators generate all power rails required as follows:

- +5 volts @ 700mA (this includes power for four card readers)
- +3.3 volts @ 50mA

LED Indications

- LED1 - Door 1 Door Contact
- LED2 - Door 1 RTE / Lock Status
- LED3 - Door 1 Break Glass / Lock Status
- LED4 - Door 2 Door Contact
- LED5 - Door 2 RTE / Lock Status
- LED6 - Door 2 Break Glass / Lock Status
- LED7 - Relay O/P 1
- LED8 - Relay O/P 2
- LED9 - CAN bus Transmit
- LED10 - CAN bus Receive
- LED11 - Door Controller Fallback Mode
- LED12 - Door Controller Heartbeat
- LED13 - PIC Diag LED 1
- LED14 - PIC Diag LED 2

Environmental Specification

Operating temperature -40°C to +70°C.
Storage temperature -40°C to +70°C.

The 12270 operates with a relative Humidity up to 95% (non-condensing) at a temperature of +40°C.

EMC Requirements

BS EN 55022 Radiated and Conducted Emissions
BS EN 50082-1 Generic Immunity



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