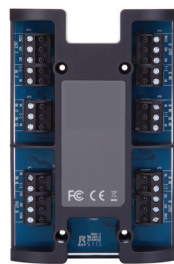# DSMC002

Expandable 2-Reader Networked Access Control Panel

| DMDP002 | DMDP008B | DSMC002-DIN | DSMC002-B |

The DSMC002 Intelligent 2-Reader Expandable Networked Access Controller is powered by Server for Microsoft Windows to deliver full-featured access control and automation capability via a 10/100 ethernet port. The DSMC002 (TCP/IP) and DSMC002 (RS-485) control panels have one expansion slot for mounting one MD unit. The expansion modules DMDP002 (2 readers, 4 outputs, 4 inputs), and DMDP008B (8 EOL supervised inputs and 4 outputs) are easy to mount and can be added in under one minute. Discovery offers a variety of ordering options, including DIN-panel only. The system provides an ideal, modular and expandable solution for commercial and institutional needs.

GENERAL DESCRIPTION

DSMC002, and DSMC002 are professional grade access controllers that have advanced online and offline logic capabilities, using non-volatile memory in case of total power loss. The panels support 30,000 users, 128 access areas, 128 access groups, 128 time zones, 64 holidays, and 32 panel automation links. They feature 2 readers, 4 outputs, 4 inputs, buzzer indicator output, and LED indicators for TCP/IP, serial bus, output status. The panels feature a secondary RS-232 serial port enabling a PC connection via a standard serial COM port. The reader ports support industry standard Wiegand inputs from 26-Bit to 64-Bit and 8 different keypad formats.

MAIN FEATURES

- Full online and offline operation
- Supports for 30,000 active credentials, 30,000 PIN codes, 128 access groups, 128 access areas, 128 time zones, 64 holidays and 32 NG Smart Links for automation
- 20,000 nonvolatile, FIFO, records the event log while offline
- Expandable with DMDP008B expansion for additional 8 inputs
- Real-time clock with super-cap holds power and keeps RTC real-time clock for up to 2 weeks when total power loss (no batteries to replace)
- Supports wide range of Wiegand reader formats, PIN keypad formats, and logic options to support wide range of locks, deadbolts, electric strikes, maglocks, and sliding doors

Discovery

Specifications

ELECTRICAL SPECIFICATIONS	
ACU Power Supply Voltage	12 VDC, regulated from regulated power supply
Serial Ports	10/100 Ethernet Port (AC-225IP version) RS-485 Port, 4-wire G-Bus RS-232 Port: 4-Wire Standard RS-232
Inputs	4 supervised, hi-impedance, inputs Max. voltage: 5 VDC
Outputs	4 fully programmable 5 A, N.O. and N.C. relay outputs Rated 5 A @ 30 VDC
Reader Ports	2 reader ports (6-wire) Power: 12 V, 300 mA each Data: Wiegand Clock & Data Input/Output: LED control, tamper input
Speaker Output (Audio)	Speaker output for generating audible annunciation
LED Indicators (Visual)	TCP/IP (link+data), RS-485 link/data, output LED 4, Power LED
OPERATIONAL SPECIFICATIONS	
Networking	Connect 32 units/subnet (DSMC002) for up to 64 readers per network
Capacity	30,000 active credentials (Card & PIN)
History Event Log Size	20,000 events
Time Zones and Groups	128 multiple segment time zones, 64 holidays, 32 SmartLinks (If/then) on panel, 30,000 access groups
Special Features	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, extended unlocked time, activation/deactivation, antipassback – hard/soft/timed
PHYSICAL SPECIFICATIONS	
ACU Board Dimensions	193 x 136.5 mm x 39 mm (7.6 x 5.4 x 1.5 in)
Enclosure	Protective cover, with 1 expansion slot for MD expansions
Weight	0.36 kg (12.7 oz)
ENVIRONMENTAL SPECIFICATIONS	
Operating Environment	Indoor installation only
Operating Temperature	0°C to 49°C (32°F to 120°F)
Operating Humidity	0 to 85% (non-condensing)
PRODUCT WARRANTY	
	2-year limited product warranty