

## RM-DCM-2

### Door Control Module with Enclosure

#### Features That Make a Difference:

- Full-featured local door control module lowers wiring costs
- Complete set of inputs and outputs to control one door
- Flexible control options for reader LEDs and beep patterns
- Easily expandable
- Additional internal etch connections support magnetic lock features and accommodate local bypass switch
- Optional LCD provides clear instructions that help simplify startup and diagnostics
- Status LEDs on inputs and outputs for quick troubleshooting
- Built-in tamper switch provides secure installation
- Plug-in screw terminals reduce installation time



Shown with optional I8 input module, R8 output module, and battery

Put a full-featured RM-4E door control module in a UL listed, tamper-protected enclosure and you have the powerful Software House® RM-DCM-2. RM-DCM-2 is designed to support up to two RM-4Es and a choice of up to two I8 input boards or R8 output boards, providing a single enclosure for doors with IN and OUT readers.

RM-DCM-2 supports both Wiegand and magnetic stripe readers and provides additional wiring to magnetic locks if required.

The RM-4E modules create the connectivity between a reader and a control panel when third party card readers are used on a C•CURE® system. In addition, the RM-4E modules provide two supervised inputs and two SPDT relays (no ARM-1s are necessary). The LEDs and optional LCD display provide diagnostics to simplify the installation.

RM-DCM-2 provides standby power with its built-in uninterruptible power supply (UPS).

With its robust feature set, RM-DCM-2 is designed to handle the most demanding access control applications with ease while offering numerous installation and service features that lower its life cycle cost.

### Physical

Enclosure Dimensions (H x W x D) . . .356 x 305 x 89 mm  
(14 x 12 x 3.5 in)

RM-4E Board-Only  
Dimensions (H x W) . . . . .136 x 181 mm  
(5.375 x 7.125 in)

Weight (with 4Ah battery) . . . . .5.9 kg (11 lbs)

Weight (without battery) . . . . .4.5 kg (8 lbs)

Construction . . . . .20 AWG metal wall mounted locking cabinet with tamper switch on door

### Environmental

Operating and Storage  
Temperature . . . . .0 ° to 50°C (32° to 122°F)  
5 to 95% RH, non-condensing

### Electrical

Power Requirements  
without Reader or Relays . . . . .+12 VDC +/- 5% or +24 VDC +/-10%,  
280 mA max

Power Requirements, Maximum,  
with Reader and Relays . . . . .+12 VDC +/- 5% or +24 VDC +/-10%,  
550 mA max

Output Relay Power Ratings . . . . .Up to 30 VAC/DC, 5A maximum

Reader LED Output Controls . . . . .4.0 volts to 5.25 volts, 20mA max

Power Available for Reader . . . . .5 VDC +/- 10% or 12 VDC +/- 10%,  
125mA max (at 5V or 12V)

Optional Battery . . . . .12V/4Ah battery provides  
nominal 4 hours backup time

### Regulatory

UL 294  
CE, including EN50081-1, EN50130-4, EN50133  
FCC Part 15 Class A  
RoHS

### Communications

Communications Bus . . . . .RM bus from iSTAR controller  
or apC/8X panel

Communications Type . . . . .RS-485 half duplex, two-wire  
Maximum Distance . . . . .1,219 m (4,000 ft)

### Reader, Inputs & Outputs

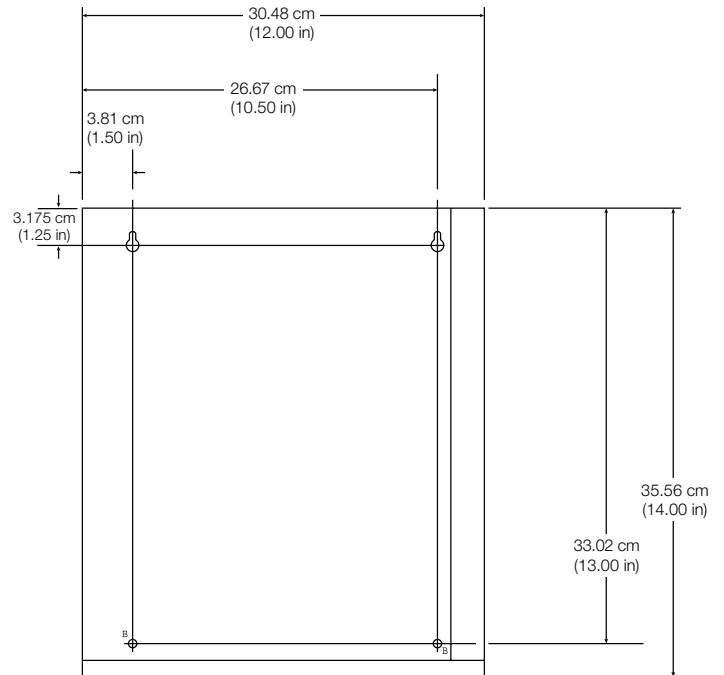
Reader Ports . . . . .One  
Reader Support . . . . .Wiegand or magnetic stripe  
Reader Control Lines Available . . . . .Red LED, green LED, yellow LED, beeper  
Keypad Support . . . . .Terminals provided for external 3x4  
matrix keypad  
Supervised Inputs . . . . .Two, double-resistor  
Output Relays . . . . .Two, Form C, dry contact  
Tamper Input . . . . .One

### Indicators and Switches

Three status LEDs for each supervised input  
LED on each relay output  
LEDs for RS-485 transmit and receive  
LED for power-on  
Optional LCD for diagnostics  
Eight position dipswitch for feature selection:

- Wiegand/magnetic stripe reader type
- Tamper bypass
- LED pattern
- RM bus termination
- Input LED disable

### Mounting Specifications



Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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