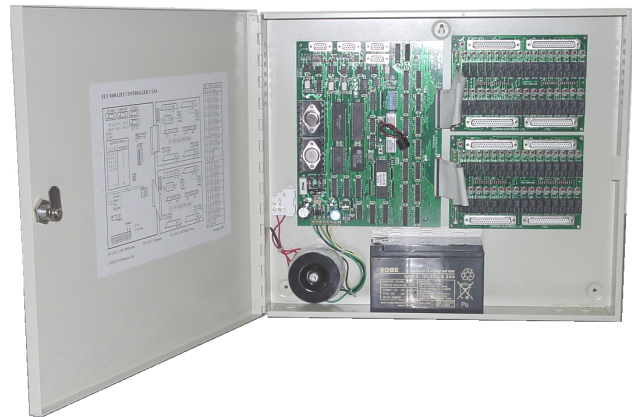




DCU-1/2 door lock controller is a high standard, high reliability microcomputer controller. This controller is specially used to control MOTORIZE locks, DCU-1/2a can directly control the motor DC12/24V (GEAR MOTOR), various position signals on electric locks, Tamper signals and Mechanical Override signals, DCU-2a can directly monitor the door locks. KROMER 4840, STUV HSL 104C High Security Locks ◦ Each is controlled by an electric motor, the door locks are programmed to open for a maximum of 15 seconds, if more than 15 seconds, an alarm signal will be issued.

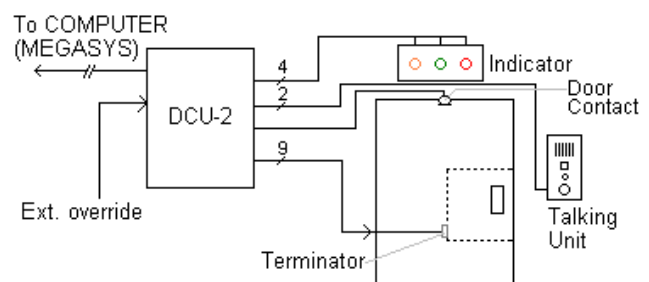
On the MEGAsys v5.0 control platform system, up to 2,048 DCU-1/2a controllers can be connected. Each DCU-1/2a controller is responsible for controlling 1 or 4 door locks, and each door lock is controlled independently ◦



Each controller consists of three parts:

- DCU-1/2a Door lock controller
- RTO Panel Door video intercom controller panel/ . . panel (Talking Unit) – RTO - Request to Open
- Access control status display (Indicator)
(Open/Alarm/Normal – Status Display)

DCU 1 – for 1 Door
DCU 2a – for 4 Doors

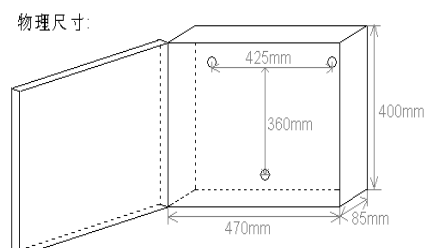


System Features:

- ✗ Each system can connect up to 2,048 DCU-1/2a controllers, each controller can control 4 door locks.
- ✗ The longest communication distance is 100m, and it supports redundant dual network communication.
- ✗ RJ45 TCP/IP network communication, standard high-speed communication.
- ✗ MEGAsys Management system and DCU-2a controller can be connected by direct connection or star connection.
- ✗ Door lock output voltage (7.5VA.C./ 12V A.C./24V AC/DC external power supply) ◦
- ✗ Tamper alarm protection◦
- ✗ Backup battery self-test ◦
- ✗ Manual switch system, support external door opening system (Ext. Over-ride), such as password lock to open the door, door interlock function (Interlock Function) ◦
- ✗ Support 1/2 point alarm input ◦
- ✗ Support door switch status (door forced to open, door open for a long time), time can be adjusted ◦
- ✗ Support manufacturers: KROMER 4840, STUV HSL 104C, SOUTHERN STEEL 10210AM, 1051M

Physical Specifications:

- Power Input : 220V 0-40°C (32°F-104°F) 10% - 95%
- Power Supply : 5V DC/ +12V DC to Charge Optional Battery
- Communication : TCP/IP, UDP RJ45 Dual Port
Dual LAN Redundant, (RS422/485 Option)
- Size (Dimensions) : 400mm x 470mm x 85mm (H x W x D)
- Cabling : 24AWG, Four Pair CAT-5/6 or equivalent



* 19” Standard Rack format type also available. (one card for single lock/door)