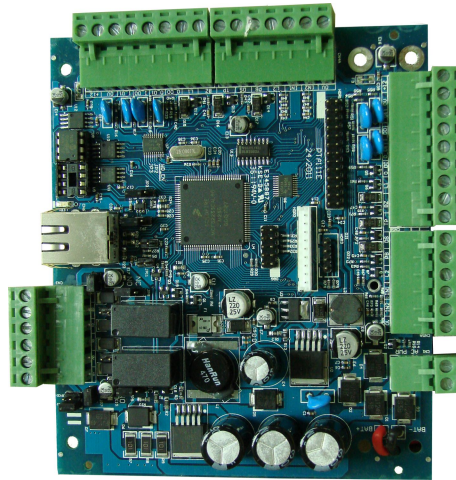## FEATURES:-

- ✓ Support up to 64 floors with plug-on 8 x 8 output modules

- ✓ Support up to 150k users & 80k events

- ✓ Support upgrade firmware through IE Web

- ✓ Native IP with Peer to Peer communication

- ✓ High speed data polling to Server

- ✓ Compatible with various reader technologies

- ✓ Interlocking

- ✓ Built-in web server

- ✓ AES- 128 Encryption

SMART ARCHITECTURE

Effective Infrastructure

Leverage on the usage of existing network infrastructure, hence saving your cost.

Adaptive Network Bandwidth

High bandwidth with high speed polling transmits data easily, enabling real-time transaction to the users.

ACTIVE ENVIRONMENT

Client To Server Environment

Communication between the Server with FALCO controllers happens whenever an events is active on the controller.

Peer to Peer Communication

Communicate between one with another controller without the need of the database server as the facilitator.

ADVANCED TECHNOLOGY

Speedy Transmission

Pattern algorithms are employed to search card database under 1 second for up to 150k users.

Secure Technology

-Falco uses its own proprietary protocol that cannot be obtained from anyone else

-Integrated power supply module ensures stable operation despite electricity cut-off

-Door controllers and the relays are placed in secure locations for the better security

Larger Storage

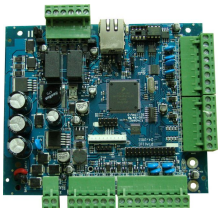-Unbeatable technology enables Falco controller to support up to 150k users & 80k events memory.

CE

RoHS Compliant ✔

www.falco-ecom.com

FALCO™

IP LIFT CF CONTROLLER

SPECIFICATION:-

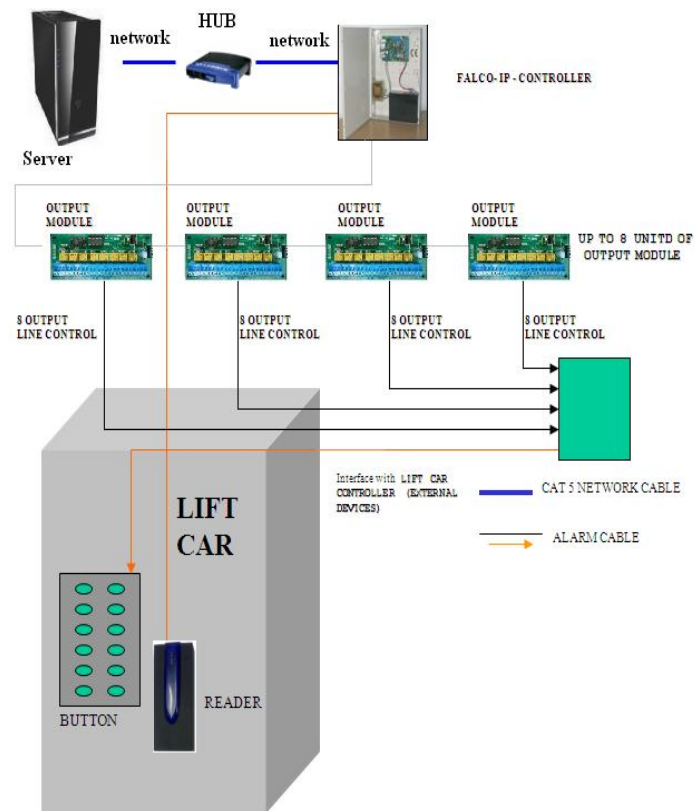|	
PROCESSING UNIT	Freescale CF microcontroller 32 bits @ 60mHz
MEMORY	512 kb EEPROM & 16 Mb FLASH
BATTERY CHARGER	12 VDC / 7AH (Onboard battery backup charger)
ELEVATOR FLOORS	Max 64 Floors
RELAY OUTPUT	10A contact rating
READER SUPPORTED	1
READER TECHNOLOGY	Standard Wiegand format (26 bit -64 bit)
USERS / HISTORY	Standard 70k users, 40k events, upgradable to 150k users, 80k events
COMMUNICATION	RJ45 Ethernet/ 10/100 Base-T (Max 100m / 328ft.)
NETWORK PROTOCOLS	TCP/IP, ARP, DHCP
INPUTS FUNCTIONALITY	Fire in/ exit push button / door contact/ tamper
CONTROLLER REDUNDANCY	Support 2 destination IP address
DIMENSION / WEIGHT	PCB board = 137 (L) x117 (W) x 15.5 (H) mm / 25g
OPERATING TEMPERATURE	$0^0C \sim 55^0C$ / $32^0 \sim 165^0F$ (subject to battery specifications)
HUMIDITY	0 ~ 85% Humidity (relative non-condensing)
POWER	14.5 VAC @ 12 VDC (Onboard power supply module)
SECURITY ENCRYPTION	AES- 128
CERTIFICATIONS	CE – CLASS A UL 294 LISTED – SECURITY MARK FCC PART 15, CLASS A RoHS

ORDER INFORMATION :-

Lift controller
Model : CTRL-1DRLIFT-CF16M/IP(2.0A)-PCB

FALCO DOOR TCP/IP SITE SYSTEM ARCHITECTURE

REMARKS
(1) FALCO – IP - CONTROLLER, OUTPUT MODULE AND LIFT CONTROLLER ARE PUT ON TOP FLOOR OF THE LIFT

(2) 1 OUTPUT MODULE CONSIST OF 8 OUTPUTS/FLOOR.

(3) MAXIMUM OF THE OUTPUT MODULE CAN CONNECTED IS 8 UNITS. I..E 64 OUTPUTS/FLOORS CAN BE CONTROLLED

(4) IF OUTPUT MODULE MORE THAN 2 UNITS, 1X EXTRA 3A POWER SUPPLY NEED TO BE ADDED

ACCESSORIES :-

Metal Casing
Model : EMPTY CONTROL PANEL BOX or
Model : EMPTY CONTROL PANEL BOX
(LARGE)

Output
Model : 1DRSMT-
TCP/IP-8OUTPUT

Transformer
Model : SF-0523-PT
TRANSFORMER
15.0V@3.0A

12V DC Battery
Model : FA12-7E BATTERY