



## FEATURES:-

- ✓ Supports up to 32 zones alarm input with plug-on 4x 8 input modules and additional 64 output point with plug-on 8x 8output modules.
- ✓ Supports up to 150k users & 80k events
- ✓ Supports firmware upgrade via IE
- ✓ Native IP with Peer to Peer communication
- ✓ High speed data transmission 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 Server and FALCO controllers happens whenever an event is active on the controller.

### Peer to Peer Communication

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

## ADVANCED TECHNOLOGY

### High Speed Transmission

-Patented card searching algorithm to search card database within 1 second for controller memory of 150k users.

### Secure Technology

-FALCO proprietary protocol utilized.

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

-Door controller and the relay are placed in secure location for the better security

### Larger Storage

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

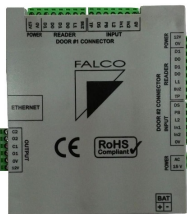


# IP ALARM MONITORING CF CONTROLLER

## SPECIFICATION:-

PROCESSING UNIT	Freescale CF microcontroller 32 bits @ 60mHz
MEMORY	1024 kb EEPROM & 16 Mb FLASH
BATTERY CHARGER	12 VDC / 7AH (Onboard battery backup charger)
DIGITAL INPUT/ OUTPUT	Input : 8- Expandable to 32, Output: 8- Expandable to 64
TRIGGER MODE	Open trigger/ Short trigger
FUNCTION MODE	Toggle mode/ Alarm mode
READER TECHNOLOGY	Standard Wiegand format (26 bit -64 bit)
USER / HISTORY	Standard 70k users, 40k events, upgradable to 150k
COMMUNICATION	RJ45 Ethernet / 10/100 Base-T ( Max 100m / 328ft.)
NETWORK PROTOCOLS	TCP/IP, ARP, DHCP
INPUTS FUNCTIONALITY	Fire input/ exit push button / door contact/ tamper
CONTROLLER	Supports 2 destination IP addresses
DIMENSION / WEIGHT	137 (L) x 117 (W) x 15.5 (T) mm / 25 g
ENCRYPTION	AES-128 bit (BI-DIRECTIONAL)
DIMENSION/ WEIGHT	PCB board = 137 (L) x117 (W) x 15.5 (H) mm, 25g
OPERATING TEMPERATURE	0°C ~ 55°C / 32° ~ 165°F (subject to battery specifications)
HUMIDITY	0 ~ 85% Humidity (relative non-condensing)
POWER	14.5 VAC @ 12 VDC (Onboard power supply module max 2.0A)
TIME ZONE CONTROL	Yes
CERTIFICATIONS	CE RoHS

## ORDER INFORMATION :-



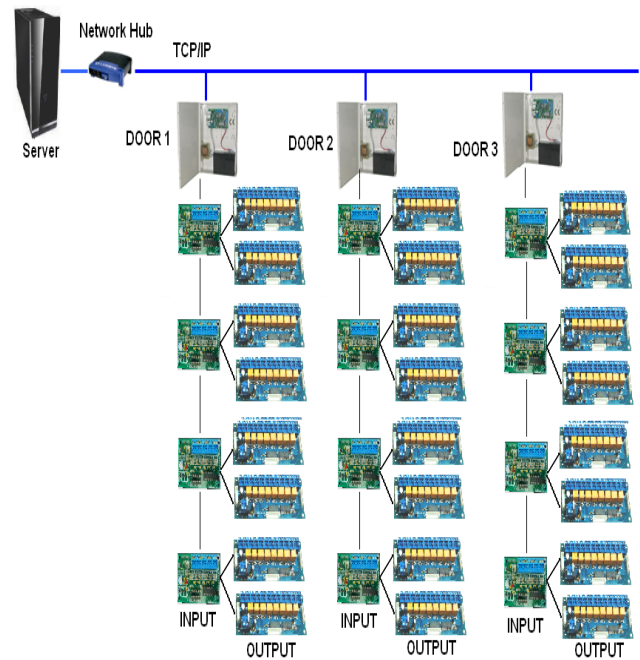
### Alarm Controller

Model : CTRL-1DRALR-CF/IP(2.0A)-PCB

### Alarm with I/O Controller

Model : CTRL-1DRALR-CF/IP(2.0A)-PCB FOR I/O

## FALCO LIFT TCP/IP SITE SYSTEM ARCHITECTURE



## ACCESSORIES :-



Metal Casing



Transformer



Output

Model : 1DRSMT  
TCP/IP-8OUTPUT



Input

Model : 1DRSMT  
TCP/IP-8INPUT



12V DC BATTERY