

Hotel Guestroom Management Systen



Singapore. Malaysia. Philippines. Thailand. Indonesia. Vietnam. Myanmar. Cambodia

EIKON EXÉ



THE ESSENCE OF SHAPE AND MATERIAL

Pure, minimal shapes underline the Eikon Exe look. Squared corners and striking silhouettes for a cover plate that blends in seamlessly with any environment. Stylish details, 100% made in Italy.

Fine natural materials provide an unmistakeable textured effect, defining the identity and personality of every finish.

ARKÉ



LIVES IN YOUR TIME.

With contemporary design and intuitive advance functions, simplifying home management thru home automation.

Arké series has large sized surfaces that underline shapes and materials with two designs:

Arké Classic - rigorous and linear and Arké Round -

ESTO



ESTO series push button switch offers a costeffective and simple way of installation for automation systems.

The LED backlight can be used for status feedback or simply to light up ESTO in the dark via built-in sensor.

Comes in different color of brushed aluminum, fitting your elegant interior design requirements.

SIMON



The simplest things are the best.

Clean lines, attractive appearance and perfec operation: this is the charm of functionality.

SIMON concentrates the creativity of Spanish designers and the skills of highly experienced engineers to make available to consultants, architects and designers a full range of trendy products that will be appreciated by contractors and installers for ease of installation and reliability and by the end users for aesthetics and usability.

MODEL: ETR-RCU-IO-01

FEATURES

- Centralized management
- Output channel
- Power transformer
- Centralized design system
- High voltage terminals connections
- Compact Size
- Certified Oracle Opera PMS Interface
- Integration with HRMS



Outer Case material : Black Plastic Injection

Terminal : PA66, the firewall class UL94-V0 (2.0mm), high temperature

RCU Size : 190mm (7.48 inch) L. 260mm (10.24 inch) W

Outside Box : 350mm (13.78 inch) L, 500mm (19.69 inch) W, 100mm (3.94 inch) D

Weight : 1008 grams (motherboard

: 5050 grams (Box including motherboard)

MODEL: ETR-RCU-IO-01

FUNCTIONS

The LIGHTING CONTROL FUNCTION consists of the following:

- Welcome Mode / Turn Down Mode
- Energy Saving Mode
- All digital inputs can be configured to perform various functions i.e. Master OFF / ON or SCENE control

The DOORBELL FUNCTION consists of the following:

- Hardware Interlock
- Software Interlock
- Real-time DND / MUR Indicator

The AIR-CON CONTROL FUNCTION consists of the following:

- Hardware Interlock
- Upon guest check-in, system can be programmed and operated in either one of the following:
 - Fast Cool Mode
 - Default Hotel Pre-set Mode
 - Last Status
- Upon guest check-out, the system will set the hotel pre-set temperature as the reference temperature and set the fan speed to Low. Button on the air-con control panel will be disabled.

MODEL: ETR-RCU-IO-01

TECHNICAL SPECIFICATIONS

Communication Protocol : E-Net

Power Consumption : 220V AC / 340mA 74.8W

Cooling Specifications : 102 BTU/hr @ load work expiry date

Working Temperature : 32° to 104° F (0° to 40°C)

Storage Temperature : 0° to 40°C

Storage Humidity : No frost environment 10% ~ 90% RF
Installation Medium : Boxes Screw, fixed installation

Control Channels : Socket relay circuit

2-Channel dimming light control;

10-Channel Light relay independent input/output circuit; 4-way curtain/light relay independent input/output circuit; Air-conditioning system (Low, Medium & High Speed Fan) Relay

Circuit + 2-way solenoid valve relay circuit;

1-Channel door bell control circuit:

1-RS232/RS45 port;

4-Channel 5-24V DC battery port; 28-Channel switch input port;

32-Channel 5-22V DC configurable output port.

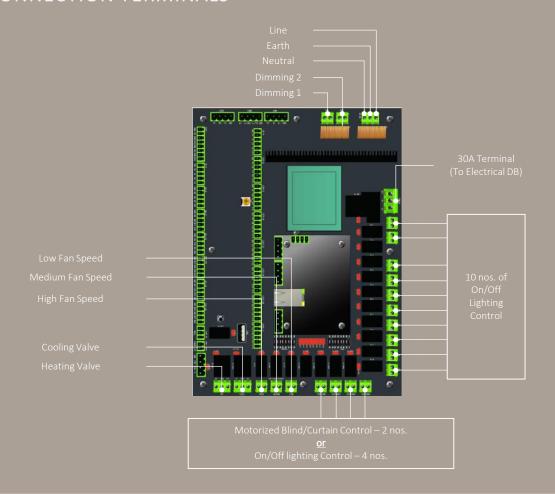
and variable resistance

2-Channel 24V DC/100mA power DC power output ports

1-Channel 5-24V DC fire input port

MODEL: ETR-RCU-IO-01

CONNECTION TERMINALS



MODEL: ETR-RCU-IO-01

CONNECTION TERMINALS



ROOM CONTROLLER

MODEL: ETR-RCU-IO-02

FEATURES

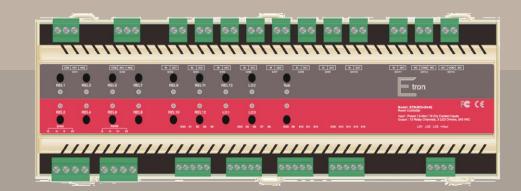
- Compact size
- Integration with HRMS
- DIN rail mounted
- Dimensions: 267mm (L) x 90mm (H) x 66mm (W)
- Certified Oracle Opera PMS Interface

Input : Power/ E-Net / 16 Dry Contacts

Output : 13 Relay channels

3 LED Output

Modbus Interface



ROOM CONTROLLER

MODEL: ETR-RCU-10-02

TECHNICAL SPECIFICATIONS

Communication Protocol : E-Net
Power Input : 12-24V DC

Working Temperature : 32° to 104° F (0° to 40°C)

Storage Temperature : 0° to 40°C

Storage Humidity : No frost environment 10% ~ 90% RH

Mounting : DIN rai

Control Channels : 2 Relay 30A output

10 Relay output for on/off Lighting

16 Dry contact inputs

3 Transistor Led outputs for indicating light

Relay output for Door Bell Chime

l no RS485 interface for communication with Etron OLED thermostat / DC

2-24V power input / Ftron module upgrading

1 no Modbus interface for communication with Air-conditioning

Terminal Block for connection for ease of maintenance

ROOM CONTROLLER

MODEL: ETR-RCU-IO-02

FUNCTIONS

The LIGHTING / DIMMING CONTROL FUNCTION consists of the following:

- Welcome Mode / Turn Down Mode
- Energy Saving Mode
- All digital inputs can be configured to perform various functions i.e. Master OFF / ON or SCENE control

The SERVICE CONTROL (Do not disturb, Make up room)

The AIR-CON CONTROL FUNCTION consists of the following

- Hardware Interlock
- Upon guest check-in, system can be programmed and operated in either one of the following:
 - Fast Cool Mode
 - Default Hotel Pre-set Mode
 - Last Status
- Upon guest check-out, the system will set the hotel pre-set temperature as the reference temperature and set the fan speed to Low. Button on the air-con control panel will be disabled.

OTHER FUNCTIONS:

- AC Control
- Fan Control
- Curtain Contro
- PIR Motion Control

4-CHANNEL 0-10V DC DIMMER

Model: etr-dim-4flv

FEATURES

- Input/Output Channel
- Overriding Buttons
- Centralized Management
- Total Cable E-Net Module Design
- DIN rail lead fitted



Material : Polyester petrochemical school environmental fire retardant ABS, the firewall

class UL94-V0) 5VA (2.0mm)

Terminal : PA66, the firewall class UL94-V0 (2.0mm), high temperature

Place Holder : 10P DIN module space (180mm)

Length : 180mm (7.08in)
Width : 87mm (3.43in)
Height : 63mm (2.48in)
Weight : 356 grams

4-CHANNEL 0-10V DC DIMMER

MODEL: ETR-DIM-4FLV

TECHNICAL SPECIFICATIONS

Communication Protocol : E-Net

Input Channel : 120-240V AC, 50/60Hz

• Control Channel : 4-Channel relay each channel with maximum tolerance of 10A

at 120V AC, 50/60 Hz, 0~10V DC signal in each output channel

100mA

Power Consumption : 24V DC/140mA, 3.36W

Cooling Specifications : 11.5 BTU/hr

Working Temperature : 32° to 104°F (0° to 40°C)

Load Type : 0-10V beam headlight adjustment and LED adjustment

Storage Temperature : 0° to 40°C

Storage Humidity : No frost environment 10% ~ 90% RH

Installation Medium : DIN rail lead fitted

4-CHANNEL 3A DIMMER

MODEL: ETR-DIM-C04/3

FEATURES

- Input/Output Channe
- Relay cut-off and upper output
- Electrical continuity testing
- Centralized management
- Total Cable E-Net module design
- DIN rail lead fitted



Material : Polyester petrochemical school environmental fire retardant ABS, the firewall

class UL94-V0) 5VA (2.0mm

Terminal : PA66, the firewall class UL94-V0 (2.0mm), high temperature

• Place Holder : 10P DIN module space (180mm)

Length : 180mm (7.08in
Width : 87mm (3.43in)
Height : 63mm (2.48in)
Weight : 521 grams

4-CHANNEL 3A DIMMER

MODEL: ETR-DIM-C04/3

TECHNICAL SPECIFICATIONS

Communication Protocol : E-Net

Input Channel : 400-240V AC power supply, 50/60Hz

Control Channel : Single channel can withstand a maximum current of 3A,

Total maximum current for 4-Channels 5A.

Power Consumption : 24V DC/800mA, 1.92W

Cooling Specifications : 11.5 BTU/hr at 220V AC with 1 Channel at 3A,

60 BTU/hr at 220V AC with 4 Channels at 5A,

Working Temperature : 32° to 104°F (0° to 40°C)

Load Type : Front to phase e-low Pressure Light ELV, 1687, Neon

Light/Cold Cathode, solenoid low pressure light

Storage Temperature : 0° to 40°C

Storage Humidity : No frost environment 10% ~ 90% RH

Installation Medium : DIN rail lead fitted

8-CHANNEL 10 RELAY SWITCH

MODEL: ETR-RL-C08/10

FEATURES

- Input/Output Channel
- Fire alarm dry contact
- Centralized management
- E-net bus modular design
- DIN rail mounting



Material : environmental protection, fire retardant ABS, level of fire resistant

temperature

Terminal : PA66, high temperature resistant UL94-VO

Place Holder : 10P DIN module space (180mm)

Length : 180mm (7.08 in
Width : 87mm (3.43in)
Height : 63mm (2.48in)
Weight : 322 grams

8-CHANNEL 10 RELAY SWITCH

MODEL: ETR-RL-C08/10

TECHNICAL SPECIFICATIONS

Protocol type : E-net

• Input channel : 120-240 V AC, 50/60 Hz

The control channel : 8-Channel, 10-amp

Single channel can withstand incandescent light load

current 10A max. (resistive load)

Single channel can withstand tungsten halogen lamps,

fluorescent lights. LED, energy saving lamps maximum load

current (5A), 1/2HP inductive load

Power Consumption : 24VDC/140ma, 3.36W

Thermal Specifications : 11.5BTU/HR

Operating temperature : 32° to 104° F (0° to 40°C)

The load type : incandescent lamps, fluorescent lights, neon lights/cold

and tubes

Storage Temperature : 0°C-40°C

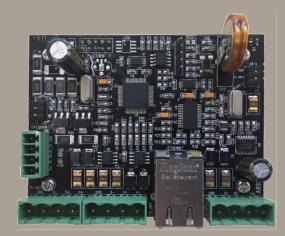
Storage humidity : 10%~90% RH

NETWORK BOARD

MODEL: ETR-A892-2

FEATURES

- Centralized Control
- E-Net module design
- DIN rail fitted / Add-on to ETR-RCU-IO-03
- Fixed Terminals
- Integration with HRMS
- Certified Oracle Opera PMS Interface
- TCP/IP Interface



ullet Material ullet : Polyester petrochemical school environmental fire-retardant ABS, the firewall

class UL94-V0) 5VA (2.0MM)

• Terminal : PA66. the firewall class UL94-V0) 5VA (2.0MM), high temperature

Placeholder : 7.5P DIN module space (135mm)

Length : 135mm (5.13 in)
Width : 103mm (4.06in)
Height : 55mm (2.17in)

• Weight : 215g

NETWORK BOARD

Model: etr-a892-2

TECHNICAL SPECIFICATIONS

Communication Protocol : E-Net

• Power Consumption : 24V DC / 20mA, 0.48W

Working Temperature : 32° to 104° F (0° to 40°C)

Storage Temperature : 0° to 40°C

• Storage Humidity : No frost environment 10% $^{\sim}$ 90% RH

Installation Medium : DIN rail lead fitted

Programmable Channel : RS-485,

Output voltage/Current +24V/100mA

• Bit rate : 1200-38,400 waves can be configured

Only on a self-defined under PORT2/3/4)

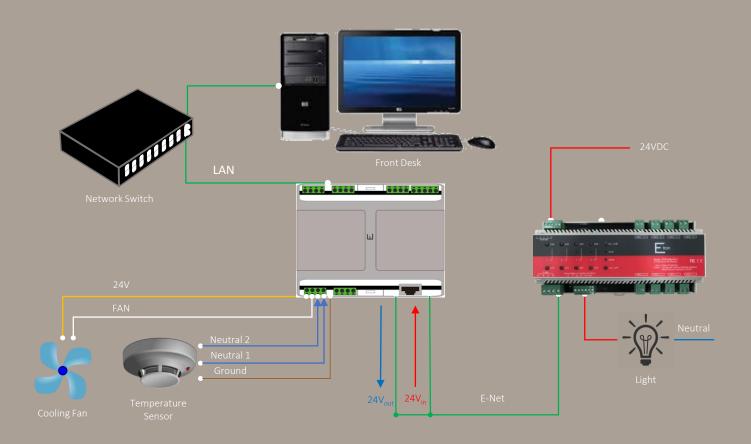
• Ethernet Port : 10/100 Mbps,

pursuant to the maximum bytes are 492 bytes

NETWORK BOARD

MODEL: ETR-A892-2

NETWORK WIRING SCHEMATIC



NETWORK PRO

MODEL: ETR-NPRC



FEATURES

- Linux Operating System
- Programmable (Customisable)
- Watchdog function
- DIN rail mounting
- E-Net communication method
- Data Management
- Centralized Control APE
- E-Net modular design
- TCP/IP Interface
- IPTV Interface
- Remote Control Interface

Material : 1.0mm high quality galvanized steel sheet shel

• Terminal : PA66, Fire rating OL94-VO SVA (2.0mm), high temperature resistance

Length : 109mm (4.30in)
Width : 109mm (4.30in)
Height : 27mm (1.07in)

NETWORK PRO

MODEL: ETR-NPRO

TECHNICAL SPECIFICATIONS

Protocol type : E-netOperating System : Linux

• CPU : ARM9, clocked at 300MHz

RAM : 64MB DDR3 high performance memory

Storage : 128MB SLC Flash

Network card : 10/100Mbps adaptive, support for AUTO MDI/MDIX

Card Slot : TF card slot, support TF card expansion storage

USB : Support extended USB peripherals, providing 5V 500mA

current output capability

• Source : 24VDC

Machine Power Consumption : Maximum average power consumption ≤ 3W

• Operating temperature : -40~85°C(-40~185°F)

Working humidity : 20%~90% RH
storage humidity* : 15%~95% H

• installation method* · DIN rail mounting

^{*(}no condensation)

PIR MOTION SENSOR

MODEL: ETR_MSP

FEATURES

- Designed and made for intelligent guestroom control systems
- Small and elegant outlook perfectly fit on the ceiling
- Provides 360 degree coverage
- Class O Fire Resistance Casing
- Environment Temperature compensation
- Adjustable sensitivity, Flexibility application
- Remote on/off LED signal, easy for maintenance
- NC / NO signal output selector

Operating Voltage : DC12V

Power consumption : <= 15MA

Operation Temperature : -10°C - +50°C

Installation method : Flush Mount

Angle Sensor : cone angle 110°

Detection Coverage : 6m diameter

Alarm Output : NC/NC

• Trigger Time : 0.1 S - 15 S

Dimension : 46mm Diameter x 39mm Depth





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