

Smart Home & Building Automation

Complete Control. Engineered.

 **Curtain**
Smart Control

 **Smart Lights**
Ambience Control

 **Smart Door Lock**
Keyless Entry

 **Smart Panel**
Central Control

 **Smart Switch**
Lighting Control

 **Smart Switch**
Scene Control

 **Smart Intercom**
Video Door Phone

 **Smart Thermostat**
Climate Control

 **EV Charger**
Smart Charging



Smart Lighting



Climate Control



Curtain Control



Security & Access



Audio & Entertainment



Energy Management



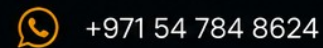
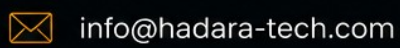
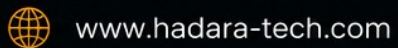
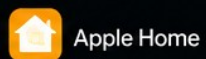
EXCLUSIVE DISTRIBUTOR IN THE UAE

GLOBAL OPEN ECOSYSTEM

WORK WITH ALL STANDARD TECHNOLOGY

We believe in flexibility and freedom.
That's why our solutions are designed
to work seamlessly with all leading
standards and technologies.

One system. Unlimited possibilities.



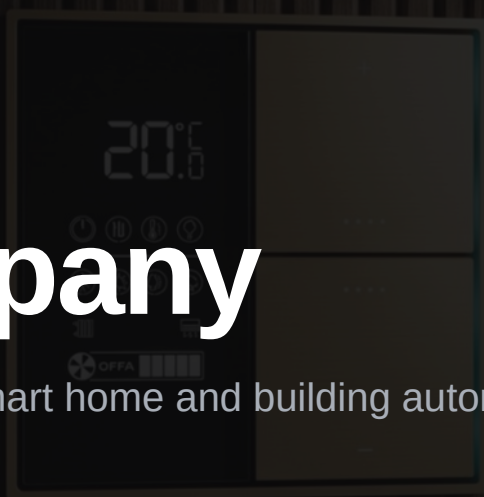
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CHAPTER 01

The Company

Dubai-based specialists in smart home and building automation.



01

ABOUT

Engineering intelligent environments.

Hadara Technology designs, engineers and commissions integrated smart home and building automation systems across the United Arab Emirates. We work with developers, consultants, architects and private clients — from single villas to multi-tower residential developments.

Our scope covers the complete project lifecycle. One engineering team is accountable from first specification to final handover.

Smart Home

Building Automation

KNX

Wireless IoT

Lighting Control

HVAC Control

Curtain & Shading

Security

Access Control

Video Intercom

CCTV

Multi-room Audio

Networking

ELV Systems

Energy Management

Integration

PROJECT LIFECYCLE

Design → Engineering → Supply → Programming → Installation → Integration
→ Testing → Commissioning → Support

TRACK RECORD

Proven experience. Engineered results.

700+

Projects & technology deployments

150+

Luxury villas & private residences

20+

Years of industry experience

7

Emirates of project coverage

SECTOR EXPERIENCE

Luxury villas

Apartments

Residential towers

Hospitality

Commercial

Large-scale developments

Government

VIP private residences

PHILOSOPHY

Technology should disappear. The experience should remain.

Hadara designs environments where technology works quietly in the background. Lighting, climate, shading, security, entertainment and access become one seamless experience — intuitive to use, reliable in operation, engineered for long-term performance.



Intelligent Design

Technology selected around the project — not the project forced around the technology.

Engineering Discipline

Proper system architecture, programming, documentation and commissioning.

Seamless Integration

Multiple technologies unified into one intelligent environment.

Long-Term Reliability

Engineered to remain serviceable and scalable across the project lifecycle.

CHAPTER 02

Technology Ecosystem

Wired KNX and wireless IoT — selected to suit the project.

02

WIRED AUTOMATION

The KNX standard.

KNX is an open, decentralised, internationally standardised bus system (EN 50090 / ISO-IEC 14543). It operates without cloud dependency, remains interoperable across more than 500 manufacturers, and stays serviceable for the life of the building.



ORA



KNX certified products and engineering

User interfaces

KNX keypads · Touch panels · Room thermostats · Push buttons

Load control

Switching actuators · Dimming · 0–10 V · DALI gateways

Comfort

HVAC & FCU controllers · Curtain and shading actuators

System

Power supplies · IP interfaces · IP routers · Line couplers

Sensing

Presence · Motion · Temperature · Environmental sensors

Oversight

Visualisation · Scene logic · Energy monitoring · Scheduling

WIRELESS IOT

Where cabling is not an option.

For retrofits, fit-outs and phased developments, Hadara deploys wireless smart-home platforms that deliver the same control disciplines without new containment. Wired and wireless are engineered by one team and, where required, bridged into a single interface.

Selection is a design decision, not a preference — bus topology for permanent installations, wireless where structure or programme forbids it.

Zigbee 3.0

Low-power mesh. Self-healing routing, high device density, local operation independent of internet availability.

Matter

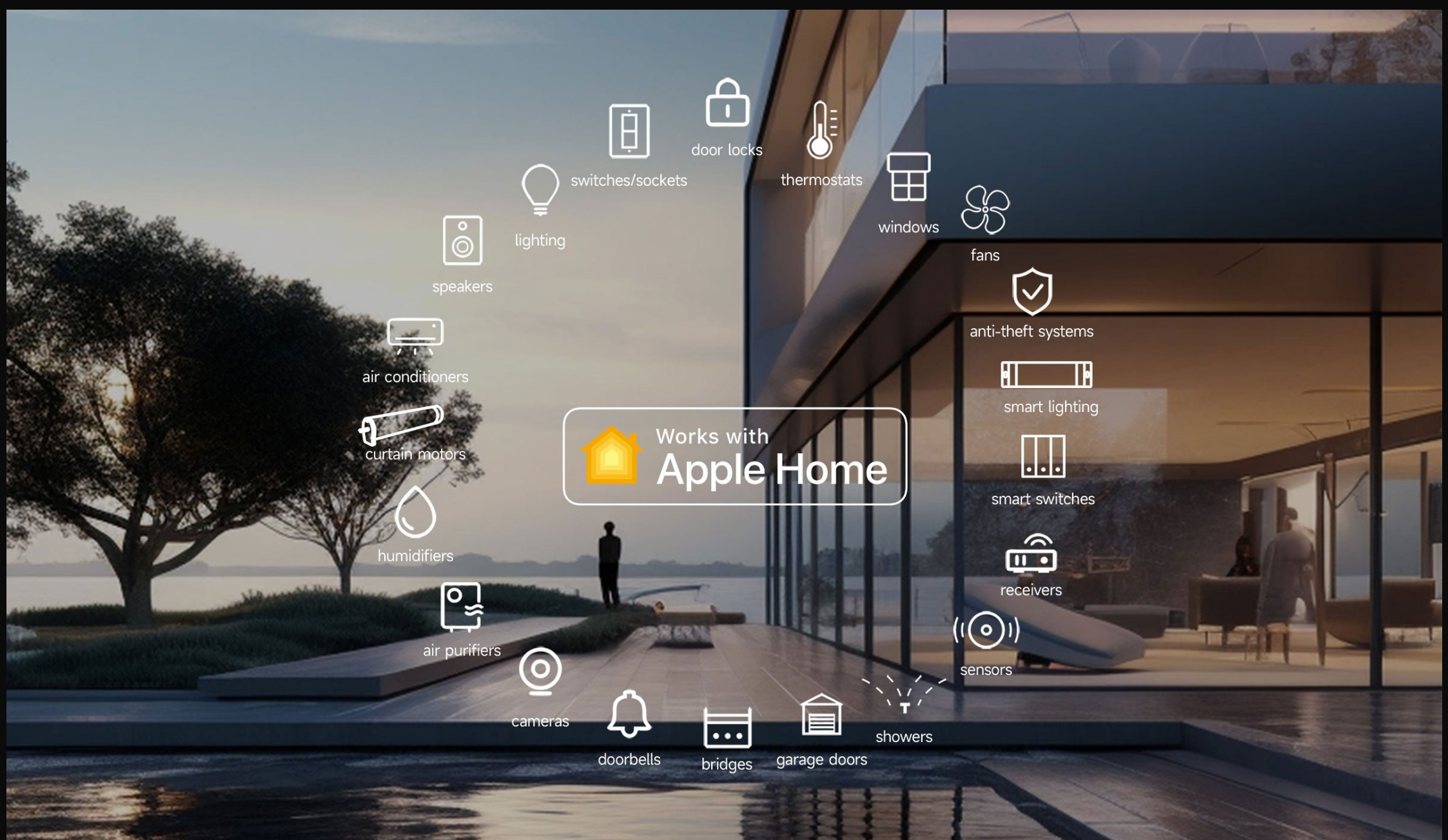
Cross-vendor application layer over Thread and Wi-Fi. Protects the client against single-ecosystem lock-in.

Bluetooth 5.0 SIG Mesh

Standards-based mesh over Bluetooth LE. Commissions from a phone, scales to hundreds of nodes, operates entirely locally.

Wi-Fi / IP

Direct IP integration for cameras, intercom, audio and BMS-level supervision over the project network.



INTEGRATION

One building. One architecture.

LAYER 04 · INTERFACE

Keypads

Touch panels

Thermostats

Mobile app

Voice

Visualisation

LAYER 03 · CONTROL BUS

KNX TP

KNX IP router

Zigbee 3.0

Matter / Thread

BLE 5.0 SIG Mesh

LAN / Wi-Fi

LAYER 02 · FIELD DEVICES

Lighting

HVAC / FCU

Curtains

Access

Intercom

CCTV

Audio

Sensors

LAYER 01 · INFRASTRUCTURE

Structured cabling

Control panels & DIN rail

Power supplies

Network core

CHAPTER 03

Solutions

Ten engineered disciplines, delivered as one system.

03

01 · LIGHTING

Lighting Control

Switching, dimming, scene control, scheduling and presence-based operation — coordinated with the architectural lighting design rather than applied over it.

DALI · 0-10 V · PHASE DIM · RGBW · CONSTANT VOLTAGE

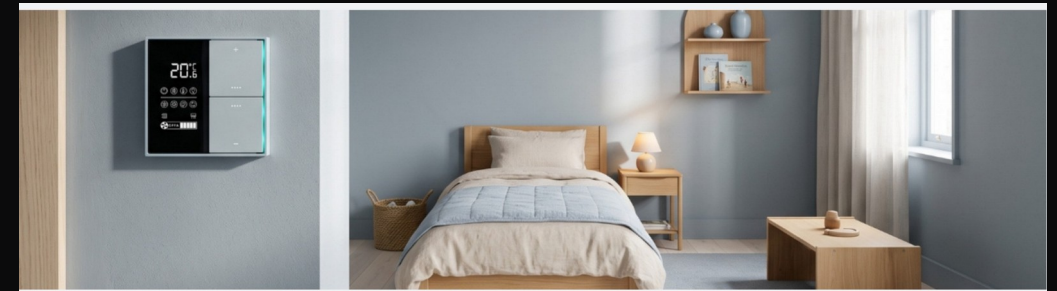


02 · CLIMATE

Climate Control

Room thermostats, FCU and VRF control, zoning, setback scheduling and occupancy-linked optimisation across the residence.

FCU 2/4-PIPE · UNDERFLOOR · VRF GATEWAY · FRESH AIR





03 · SHADING

Curtains & Shading

Motorised curtains, roller blinds, shutters and external shading, driven by scene, schedule or solar position to manage glare and heat gain.

CURTAIN TRACKS · ROLLERS · SHUTTERS · SOLAR TRACKING

04 · INTERFACE

Smart Control

Keypads, touch panels, mobile applications, voice assistants and central visualisation — one consistent interface language throughout the project.

KEYPADS · PANELS · MOBILE · VOICE · VISUALISATION

SECURITY · ACCESS · ENTRY

Who comes in, and how.



05 · Security

Security

IP CCTV, intrusion detection, perimeter and environmental sensing, with intelligent alerting into the same interface used for daily control.

4K IP CCTV · NVR · ANALYTICS · LEAK & SMOKE SENSING



06 · Access

Access Control

Face recognition, fingerprint, RFID card, PIN and mechanical override — with full event logging and remote credential management.

FACE ID · FINGERPRINT · RFID · PIN · MECHANICAL KEY



07 · Entry

Video Intercom

HD live viewing and two-way communication at the door, answered from an indoor station or a phone, with release tied to access control.

HD CAMERA · LIVE COMMS · MOBILE ANSWER · DOORBELL



AUDIO · NETWORK · ENERGY

The layers underneath.



08 · Audio

Multi-room Audio

Distributed audio for indoor and outdoor zones, in-ceiling and architectural speakers, streaming sources and cinema integration.

MULTI-ZONE · IN-CEILING · OUTDOOR · STREAMING · CINEMA



09 · Network

Networking

Professional Wi-Fi design, structured cabling, switching and VLAN segmentation — the infrastructure every other system depends on.

WI-FI 6E · CAT6A · FIBRE BACKBONE · VLAN · RF SURVEY



10 · Energy

Energy Management

Circuit-level monitoring, automated setback and load control to reduce consumption without asking the resident to change behaviour.

METERING · LOAD CONTROL · SETBACK LOGIC · REPORTING



ORA SMART LIVING · CHAPTER 04 A

KNX Wired Smart Home

Prima · Luce · Lusso — the wired half of the ORA portfolio.

ORA
SMART LIVING

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HADARA
TECHNOLOGY



ORA HALO SERIES

PRODUCT ECOSYSTEM

ORA.

Intelligent living, beautifully connected.

ORA is built on a simple conviction: the best technology disappears. KNX gives the home an open, wired standard that answers instantly and endures for decades — independent of the cloud, immune to obsolescence. Onto that backbone ORA designs controls refined until only the essential remains.

3

Collections

8

References

94

Finishes

3

Materials



LUSSO · INTERACTION CONTROL

Prima

The specification range

Luce

Copper and FENIX®

Lusso

Rendered-label control

ORA

SMART LIVING

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HADARA

TECHNOLOGY

ORA product identity, naming and article codes are retained in full. Hadara Technology supplies, engineers, programmes and commissions the range.

THE COMPLETE RANGE

Eight references.

Three collections.



Prima
ORA-930

Room Control

18 finishes · Metal



Prima
ORA-684

Room Thermostat

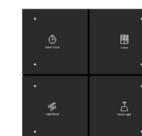
9 finishes · Metal



Luce
ORA-144

Room Control

8 finishes · Hand-worked copper



Luce
ORA-322

Chromatic Room Control

14 finishes · FENIX® nanomaterial



Luce
ORA-335

Slide Control

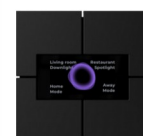
7 finishes · FENIX® nanomaterial



Lusso
ORA-422

Touch Control

6 finishes · Metal



Lusso
ORA-227

Interaction Control

16 finishes · FENIX® nanomaterial + Hand-worked copper



Lusso
ORA-436

Interactive Room Thermostat

16 finishes · FENIX® nanomaterial + Hand-worked copper



COLLECTION

Prima

The range that gets specified floor to floor.

The widest palette in the collection and two key architectures, so one visual language runs from the entrance hall to the last guest room without a change of plate. Anodised metal plates, precise key geometry and a finish list broad enough to follow the interior rather than constrain it.

IN THIS COLLECTION

ORA-930

Room Control

ORA-684

Room Thermostat

PRIMA · CLASSIC

Room Control

ORA-930

Square or rectangular keys, one plate language.

The specification workhorse of the collection. Four addressable keys per plate with engraved iconography and status indication, available in two key architectures across the widest finish palette ORA produces — so corridors, bedrooms and reception spaces can share one visual system.



MATERIAL

Metal

FINISHES

18 configurations

PROTOCOL

KNX

KEY FEATURES

Four addressable keys

Engraved icon set

Status indication

Square or rectangular keys

Scene and sequence logic

Flush metal plate

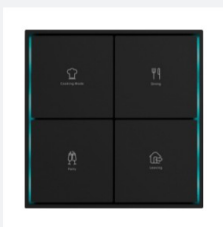
PRIMA · CLASSIC

Room Control

Metal

ORA-930

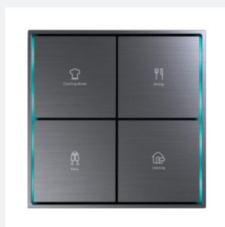
18 FINISHES



Basalt Black

ORA-930-BSL

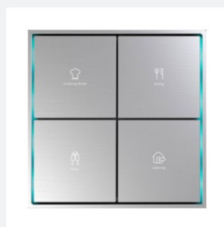
Square keys



Titan Grey

ORA-930-TTN

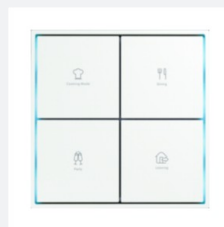
Square keys



Arctic Silver

ORA-930-ARC

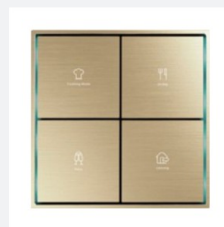
Square keys



Alabaster White

ORA-930-ALB

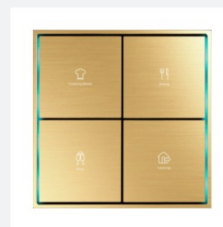
Square keys



Champagne Gold

ORA-930-CHM

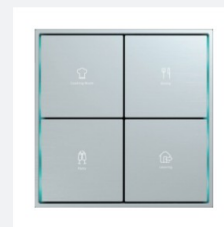
Square keys



Brushed Gold

ORA-930-BRG

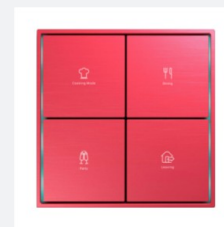
Square keys



Azure Mist

ORA-930-AZR

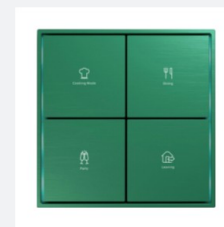
Square keys



Rose Coral

ORA-930-R0S

Square keys



Malachite Green

ORA-930-MAL

Square keys



Basalt Black

ORA-930-BSL

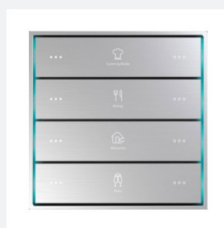
Rectangular keys



Titan Grey

ORA-930-TTN

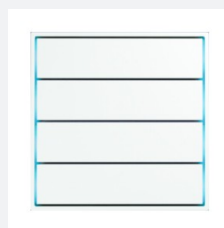
Rectangular keys



Arctic Silver

ORA-930-ARC

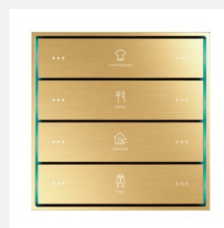
Rectangular keys



Alabaster White

ORA-930-ALB

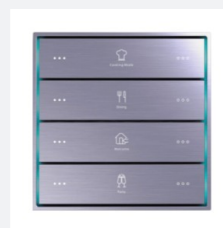
Rectangular keys



Brushed Gold

ORA-930-BRG

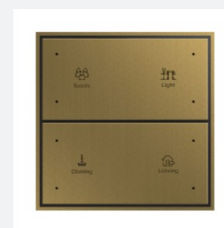
Rectangular keys



Amethyst

ORA-930-AMY

Rectangular keys



Desert Gold

ORA-930-DSR

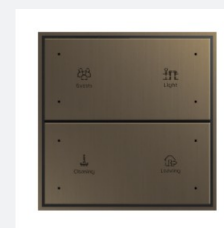
Rectangular keys



Graphite Grey

ORA-930-GRP

Rectangular keys



Bronze Ember

ORA-930-BRZ

Rectangular keys

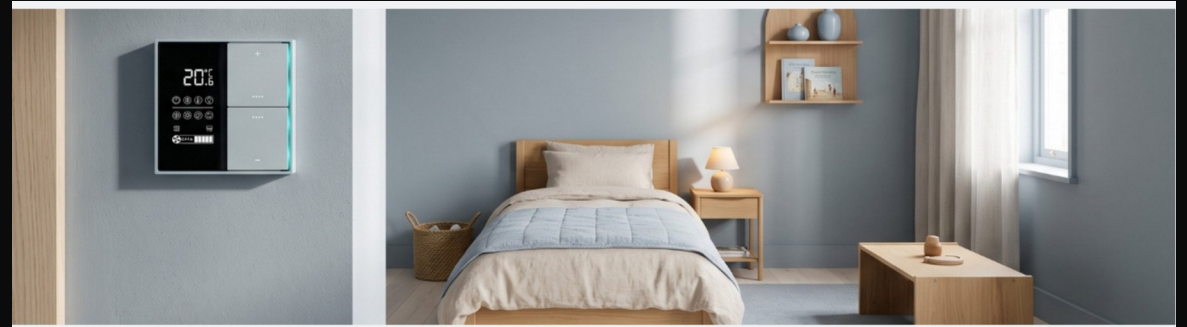
PRIMA · CLASSIC

Room Thermostat

ORA-684

Climate control that matches the switch beside it.

A room thermostat built on the same plate geometry and finish palette as the Prima Room Control, pairing a legible temperature display and mode controls with a keyed half — so climate does not arrive as a foreign object on the wall.



MATERIAL	Metal
FINISHES	9 configurations
PROTOCOL	KNX

KEY FEATURES

Temperature display	Fan and mode control
Setpoint and setback	FCU 2- and 4-pipe
Integrated key module	Matched Prima plate

PRIMA · CLASSIC

Room Thermostat

Metal

ORA-684

9 FINISHES



Basalt Black

ORA-684-BSL



Titan Grey

ORA-684-TTN



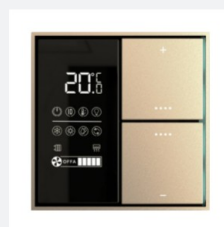
Arctic Silver

ORA-684-ARC



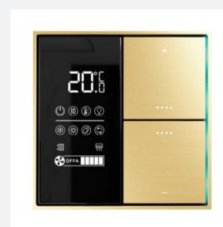
Alabaster White

ORA-684-ALB



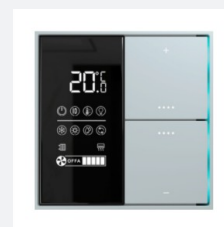
Champagne Gold

ORA-684-CHM



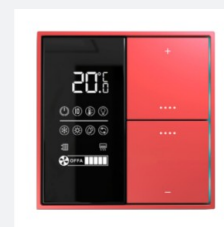
Brushed Gold

ORA-684-BRG



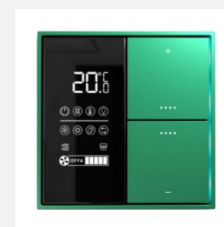
Azure Mist

ORA-684-AZR



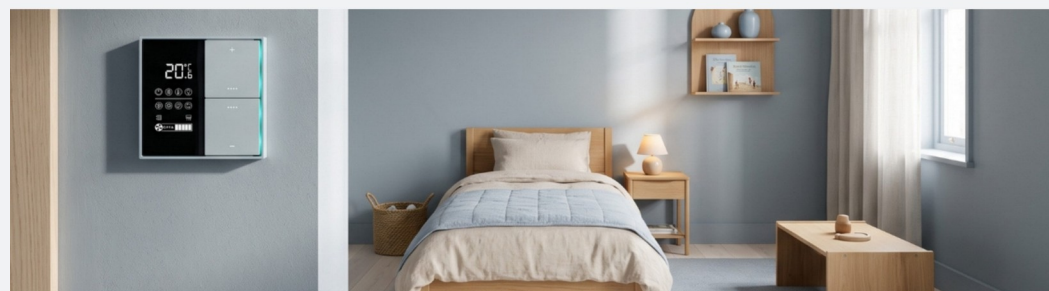
Rose Coral

ORA-684-ROS



Malachite Green

ORA-684-MAL





COLLECTION

Luce

Copper worked by hand, and FENIX® nanomaterial.

Nine patinated finishes in which no two plates are alike, and a matt surface that gives almost nothing back to the light. Luce is specified where the wall device is expected to read as material rather than as equipment — hand-worked copper for warmth and depth, FENIX® for a soft, anti-fingerprint, near-matt chromatic field.

IN THIS COLLECTION

- ORA-144 Room Control
- ORA-322 Chromatic Room Control
- ORA-335 Slide Control

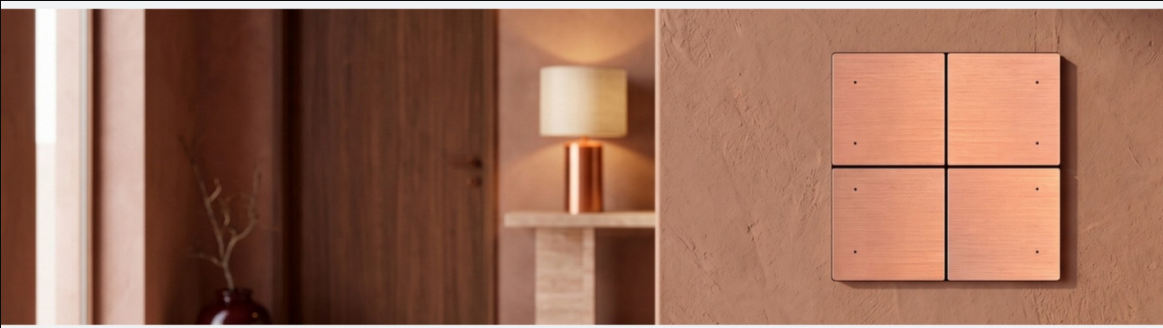
LUCE · LUXURY · SUPER TOUCH

Room Control

ORA - 144

Hand-worked copper. No two plates alike.

Super Touch operation behind a patinated copper surface. Each plate is finished by hand, so the material carries its own variation — and the four-key layout stays completely legible without printed labels or visible hardware.



MATERIAL	Hand-worked copper
FINISHES	8 configurations
PROTOCOL	KNX

KEY FEATURES

Super Touch operation	Hand-patinated copper
Four-key layout	No visible fixings
Discreet status LEDs	Eight patinated finishes

LUCE · LUXURY · SUPER TOUCH

Room Control

Hand-worked copper

ORA-144

8 FINISHES



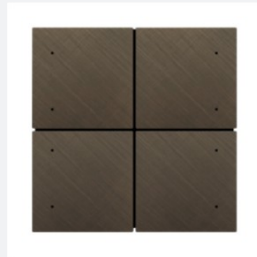
Oud Noir

ORA-144-ODU



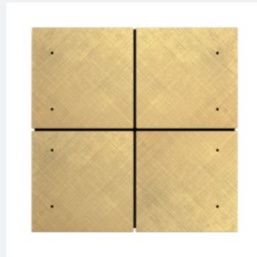
Onyx Bead

ORA-144-ONX



Sandalwood

ORA-144-SND



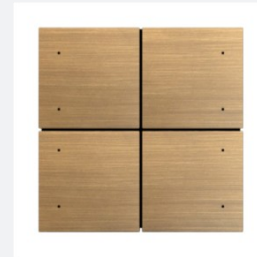
Solar Gold

ORA-144-SOL



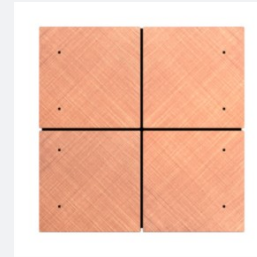
Silk Silver

ORA-144-SLK



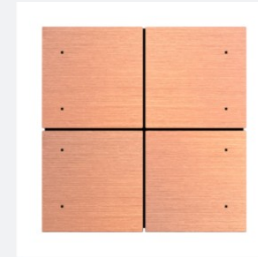
Smoked Horn

ORA-144-SMK



Saffron Wind

ORA-144-SFW



Saffron Dew

ORA-144-SFD



LUCE · LUXURY · SUPER TOUCH

Chromatic Room Control

ORA-322

Chromatic FENIX® across seven colours, two key architectures.

FENIX® nanomaterial gives a deep matt surface that resists fingerprints and scatters almost no light. Offered in square and rectangular key architectures across the same seven-colour field, so a project can shift key layout by room without shifting palette.



MATERIAL	FENIX® nanomaterial
FINISHES	14 configurations
PROTOCOL	KNX

KEY FEATURES

FENIX® NTM surface	Anti-fingerprint
Square or rectangular keys	Engraved iconography
Seven chromatic colours	Super Touch operation

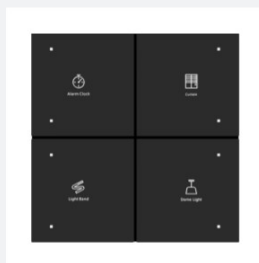
LUCE · LUXURY · SUPER TOUCH

Chromatic Room Control

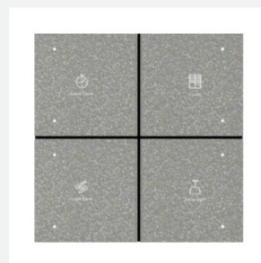
FENIX® nanomaterial

ORA-322

14 FINISHES



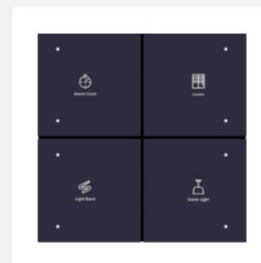
Ink Noir
ORA-322-INK
Square keys



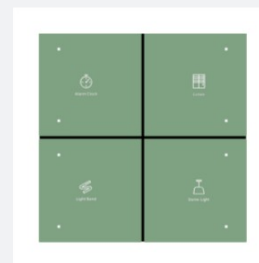
Storm Grey
ORA-322-STM
Square keys



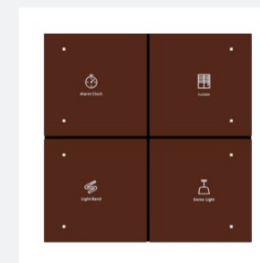
Marble White
ORA-322-MRB
Square keys



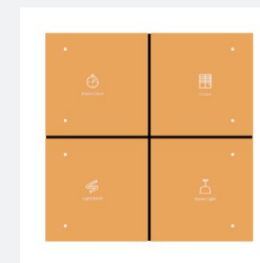
Porcelain Blue
ORA-322-PRC
Square keys



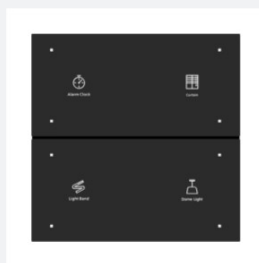
Cypress Green
ORA-322-CYP
Square keys



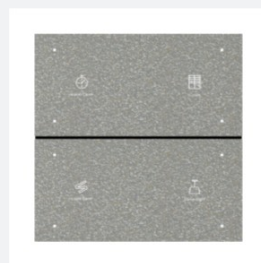
Cinnabar Red
ORA-322-CIN
Square keys



Amber Dusk
ORA-322-AMB
Square keys



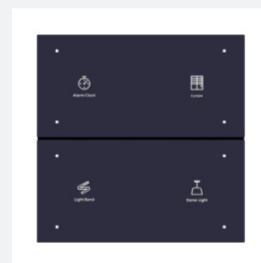
Ink Noir
ORA-322-INK
Rectangular keys



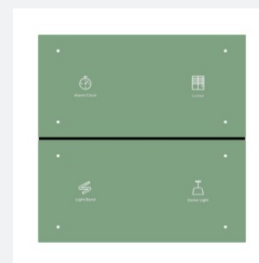
Storm Grey
ORA-322-STM
Rectangular keys



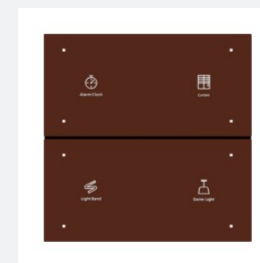
Marble White
ORA-322-MRB
Rectangular keys



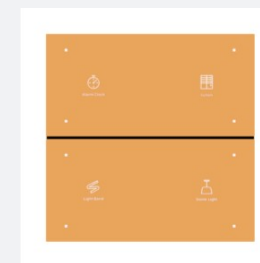
Porcelain Blue
ORA-322-PRC
Rectangular keys



Cypress Green
ORA-322-CYP
Rectangular keys



Cinnabar Red
ORA-322-CIN
Rectangular keys



Amber Dusk
ORA-322-AMB
Rectangular keys

LUCE · LUXURY · SUPER TOUCH

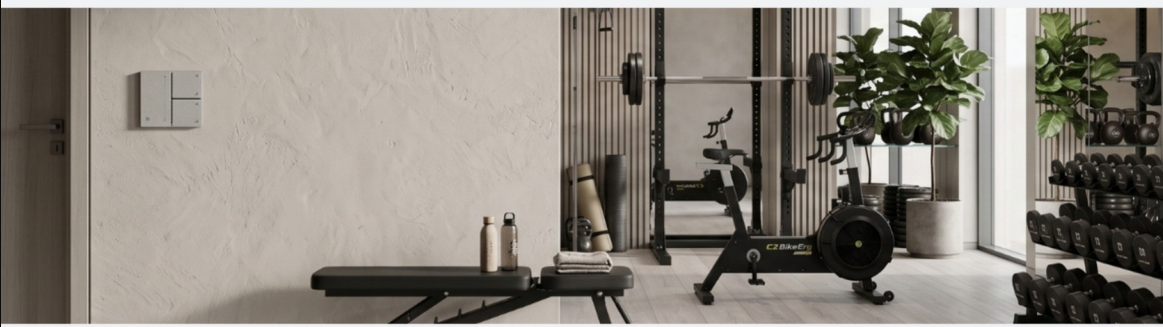
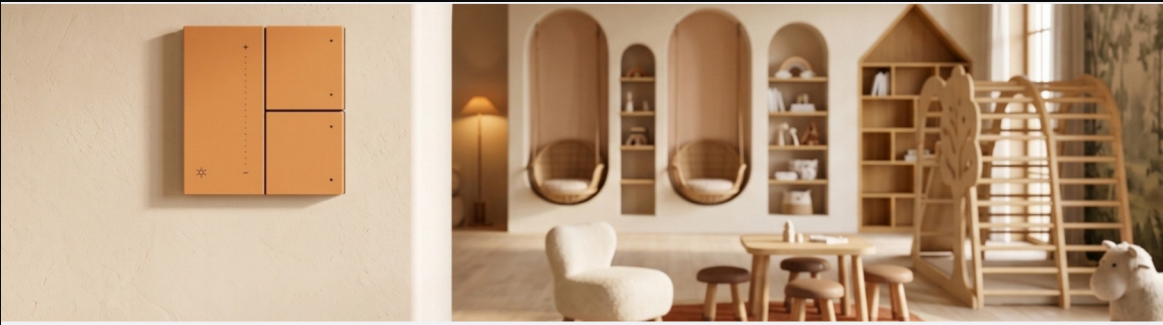
Slide Control

ORA - 335

A slider, for the functions a key cannot express.

Continuous control for dimming, shading position and volume, in the same FENIX® palette as the rest of Luce. Specified where the resident expects proportional adjustment rather than a step — a gym, a media room, a long corridor of tunable white.

MATERIAL	FENIX® nanomaterial
FINISHES	7 configurations
PROTOCOL	KNX



KEY FEATURES

- Continuous slide control
- Dimming and shading
- FENIX® NTM surface
- Seven chromatic colours
- Super Touch operation
- Combined key and slider

LUCE · LUXURY · SUPER TOUCH

Slide Control

FENIX® nanomaterial

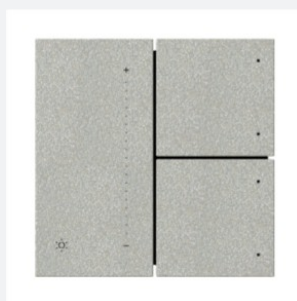
ORA-335

7 FINISHES



Ink Noir

ORA-335-INK



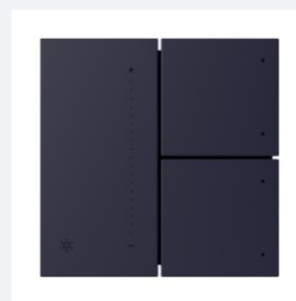
Storm Grey

ORA-335-STM



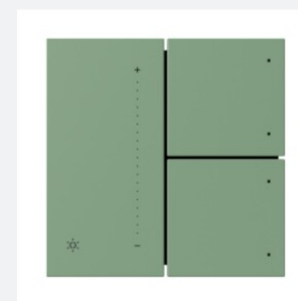
Marble White

ORA-335-MRB



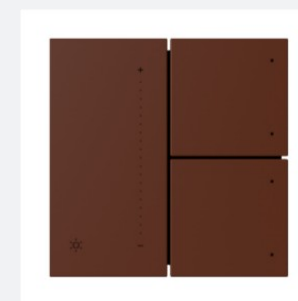
Porcelain Blue

ORA-335-PRC



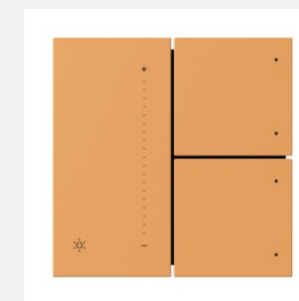
Cypress Green

ORA-335-CYP



Cinnabar Red

ORA-335-CIN



Amber Dusk

ORA-335-AMB





COLLECTION

Lusso

Where the label stops being cut into the plate.

Rendered labels mean a room can be re-purposed without a new surface. Lusso carries a display into the plate itself — the function of every key is drawn, not engraved, so a meeting room becomes a lounge and a guest suite becomes an office without a single item of hardware being replaced.

IN THIS COLLECTION

- ORA-422 Touch Control
- ORA-227 Interaction Control
- ORA-436 Interactive Room Thermostat

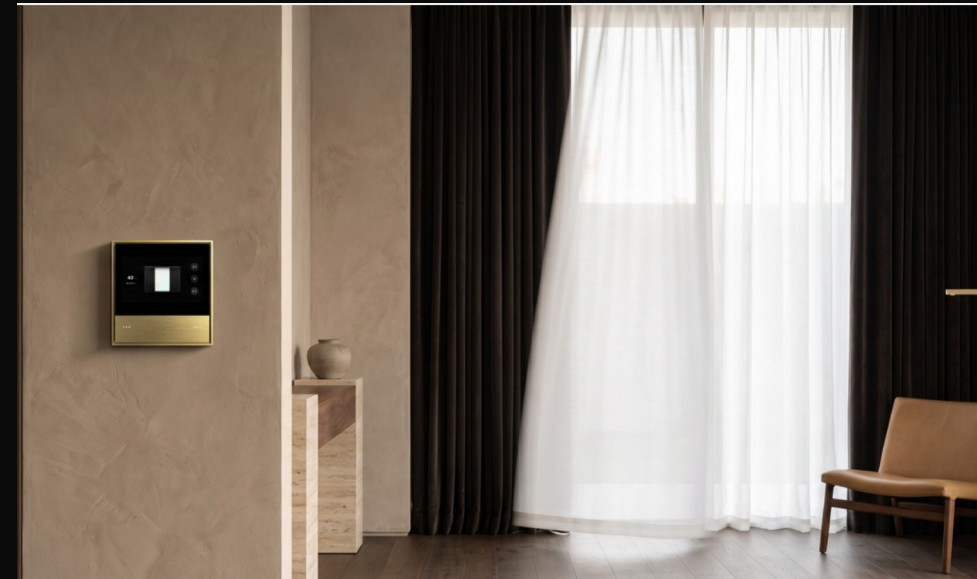
LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Touch Control

ORA-422

A full touch surface behind a metal frame.

A compact touch panel for room-level control of lighting, climate, shading and scenes, framed in the same anodised metal as the Prima plates. Pages are configured per room, so the same hardware serves a bedroom, a corridor and a majlis.



MATERIAL

Metal

FINISHES

6 configurations

PROTOCOL

KNX

KEY FEATURES

Full touch display

Configurable pages

Scene and schedule control

Anodised metal frame

Six metal finishes

Flush wall mount

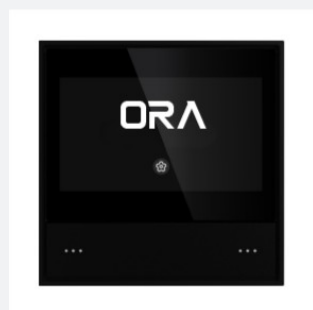
LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Touch Control

Metal

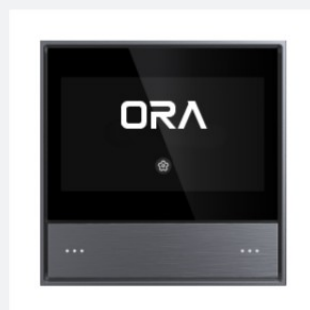
ORA-422

6 FINISHES



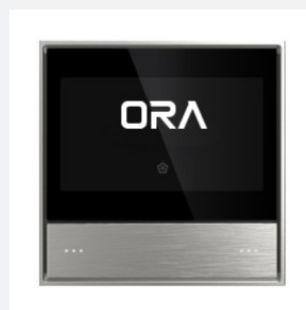
Basalt Black

ORA-422-BSL



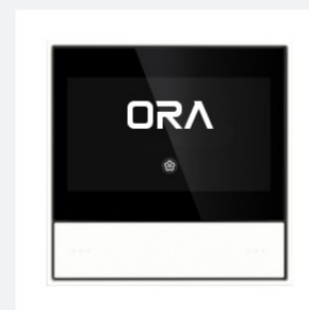
Titan Grey

ORA-422-TTN



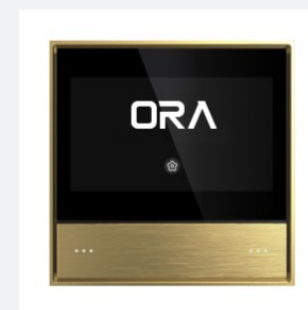
Arctic Silver

ORA-422-ARC



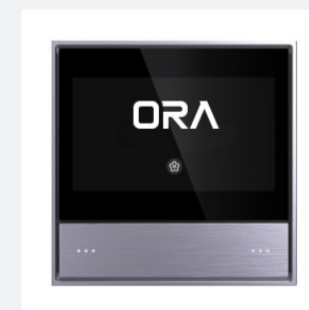
Alabaster White

ORA-422-ALB



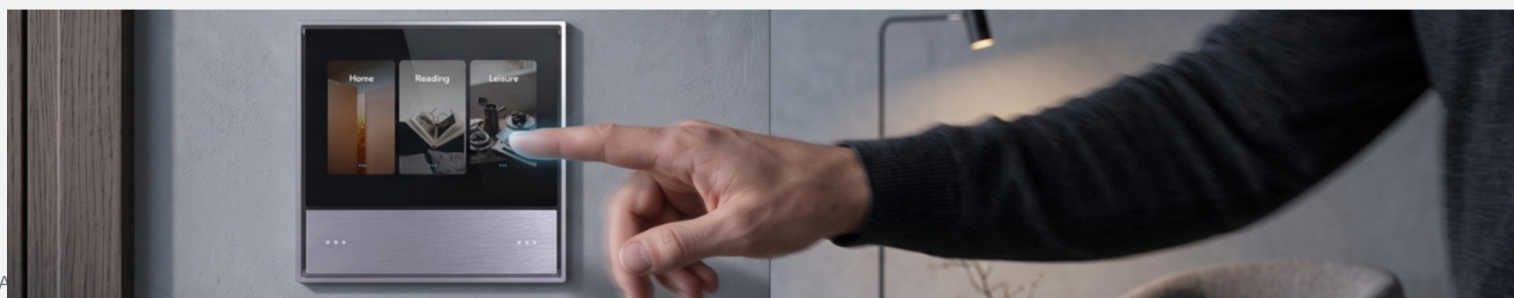
Brushed Gold

ORA-422-BRG



Amethyst

ORA-422-AMY



LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Interaction Control

ORA-227

Rendered labels. Re-purpose the room, keep the plate.

A central display set into a four-key plate, drawing the label of every function rather than engraving it. Available across the full FENIX® and hand-worked copper palette — sixteen configurations, the broadest material range in the catalogue.



MATERIAL FENIX® nanomaterial / Hand-worked copper

FINISHES 16 configurations

PROTOCOL KNX

KEY FEATURES

Rendered key labels

Re-configurable per room

Sixteen configurations

Central interaction display

FENIX® and copper

Super Touch operation

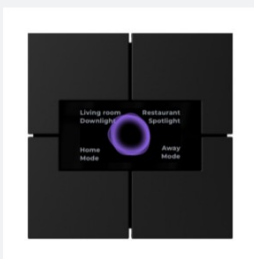
LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Interaction Control

FENIX® nanomaterial / Hand-worked copper

ORA-227

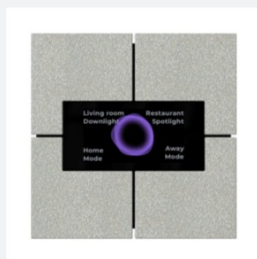
16 FINISHES



Ink Noir

ORA-227-INK

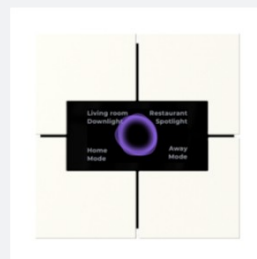
FENIX



Storm Grey

ORA-227-SIM

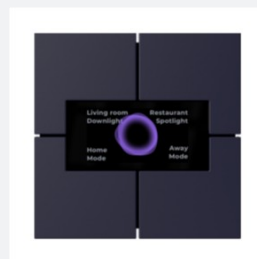
FENIX



Marble White

ORA-227-MRB

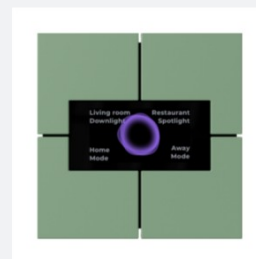
FENIX



Porcelain Blue

ORA-227-PRC

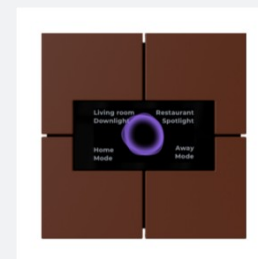
FENIX



Cypress Green

ORA-227-CYP

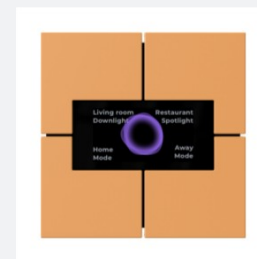
FENIX



Cinnabar Red

ORA-227-CIN

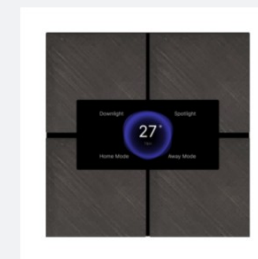
FENIX



Amber Dusk

ORA-227-AMB

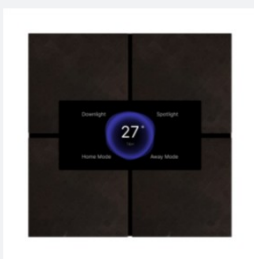
FENIX



Oud Noir

ORA-227-ODU

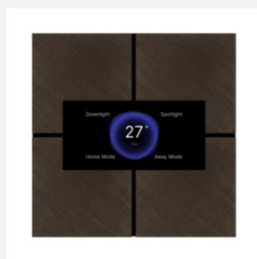
Copper



Onyx Bead

ORA-227-ONX

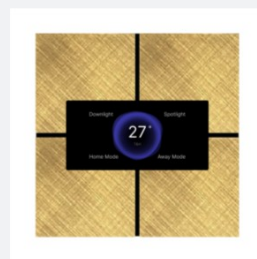
Copper



Sandalwood

ORA-227-SND

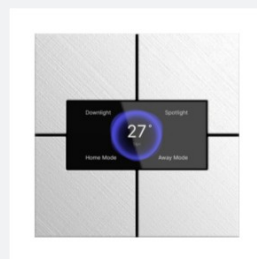
Copper



Solar Gold

ORA-227-SOL

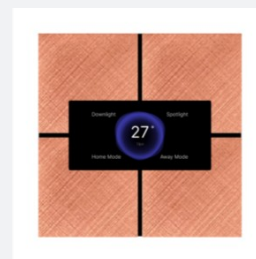
Copper



Silk Silver

ORA-227-SLK

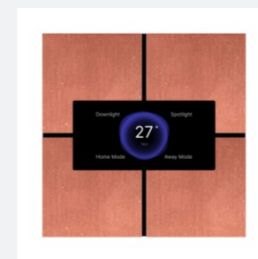
Copper



Saffron Wind

ORA-227-SFW

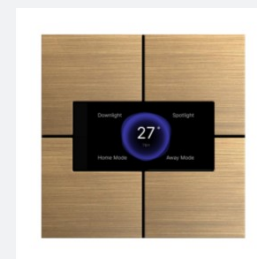
Copper



Saffron Dew

ORA-227-SFD

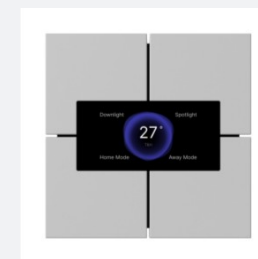
Copper



Smoked Horn

ORA-227-SMK

Copper



Jade Pool

ORA-227-JAD

Copper

LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Interactive Room Thermostat

ORA - 436

The same plate, reading temperature.

The thermostat expression of the Interaction Control — setpoint, mode and room conditions rendered on the central display, with the surrounding keys assigned to lighting and scenes. One device where a project would otherwise carry two.



MATERIAL FENIX® nanomaterial / Hand-worked copper

FINISHES 16 configurations

PROTOCOL KNX

KEY FEATURES

Setpoint and mode display

Combined climate and keys

Sixteen configurations

Room temperature sensing

FENIX® and copper

FCU and underfloor

LUSSO · CLASSIC · SUPER TOUCH · LUXURY

Interactive Room Thermostat

FENIX® nanomaterial / Hand-worked copper

ORA-436

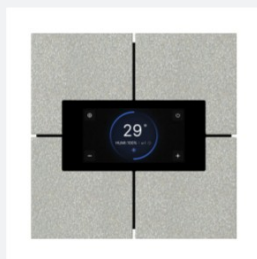
16 FINISHES



Ink Noir

ORA-436-INK

FENIX



Storm Grey

ORA-436-STM

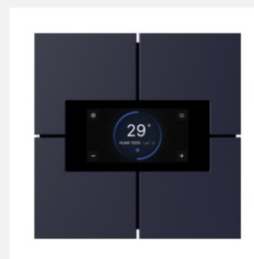
FENIX



Marble White

ORA-436-MRB

FENIX



Porcelain Blue

ORA-436-PRC

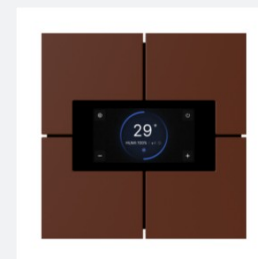
FENIX



Cypress Green

ORA-436-CYP

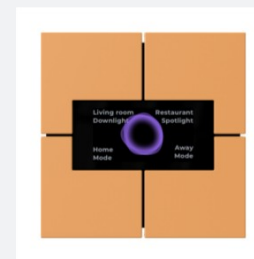
FENIX



Cinnabar Red

ORA-436-CIN

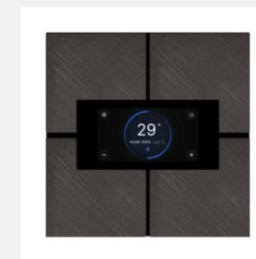
FENIX



Amber Dusk

ORA-436-AMB

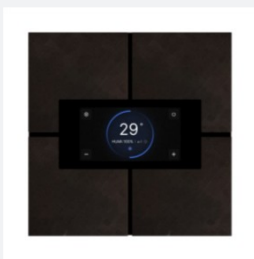
FENIX



Oud Noir

ORA-436-ODU

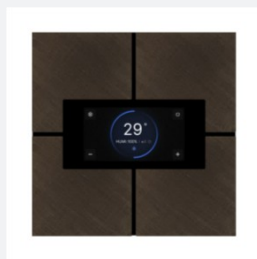
Copper



Onyx Bead

ORA-436-ONX

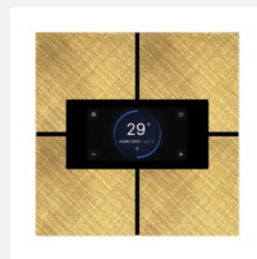
Copper



Sandalwood

ORA-436-SND

Copper



Solar Gold

ORA-436-SOL

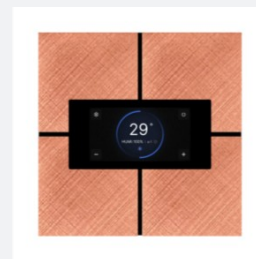
Copper



Silk Silver

ORA-436-SLK

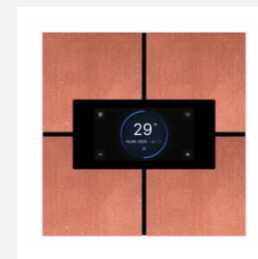
Copper



Saffron Wind

ORA-436-SFW

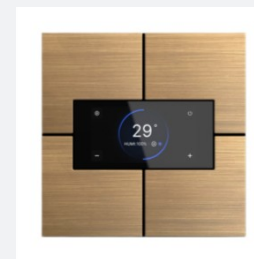
Copper



Saffron Dew

ORA-436-SFD

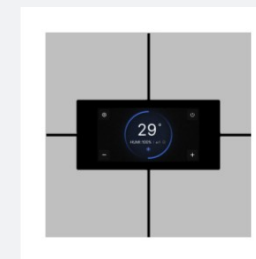
Copper



Smoked Horn

ORA-436-SMK

Copper



Jade Pool

ORA-436-JAD

Copper

ORA SMART LIVING • CHAPTER 04 B

Wireless IoT Smart Home

Zigbee 3.0 — the wireless half of the ORA portfolio.

Where a project cannot carry a bus cable, ORA delivers the same disciplines over a self-healing Zigbee 3.0 mesh — switching, scenes, curtains, high-power loads and sensing, in three architectural series.

X1

Deconstruction

X2

Black Mirror

X3

Chocolate



SERIES 01 · DECONSTRUCTION

X1 Series.

An asymmetry that still resolves.

The X1 breaks the plate's overall integrity and re-composes it as an asymmetric but proportionally harmonious form. White space, varied materials and colour are used deliberately, so the panel and the wall it sits on resolve as one.

PROTOCOL	Zigbee 3.0 · 2.4 GHz
SUPPLY	220 V AC 50/60 Hz
PLATE	86 × 86 mm · 10.5 mm face
MATERIAL	ABS+PC fireproof
FINISHES	Alpine White · Champagne Gold · Dark Gray
RANGE	Switch · Scene · Curtain · High-power · Knob · Remote

X1 SERIES · WITH NEUTRAL LINE

Smart Switch.

Zigbee 3.0 · 300 W per gang · ABS+PC fireproof

21 CONFIGURATIONS

Alpine White
ALB

Champagne Gold
CHM

Dark Gray
DRK

1 Gang & 1 Scene



2 Gang & 2 Scene



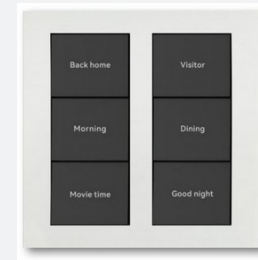
3 Gang & 3 Scene



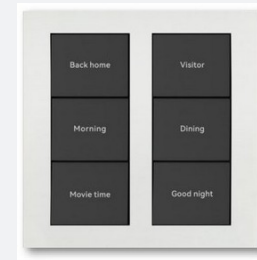
4 Gang & 4 Scene



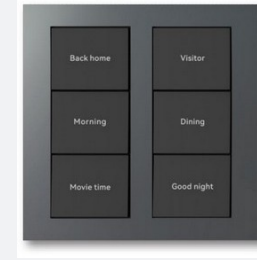
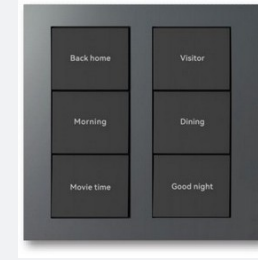
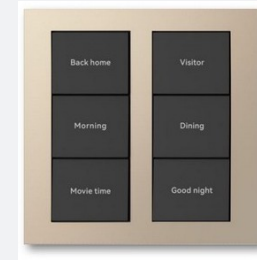
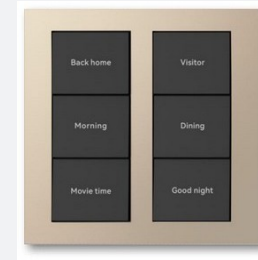
4 Gang & 6 Scene



6 Button Scene



Curtain Switch



X1 SERIES · 4000 W

High-Power Switch.

Single gang, for water heaters and other heavy resistive loads.



86 × 86 mm PLATE · 10.5 mm FACE · 24.4 mm DEPTH · 58 × 60 mm BACK BOX



SHOWN IN DARK GRAY

FINISHES



Champagne Gold



Alpine White



Dark Gray

PRODUCT NAME	X1 High-power Switch (1 Gang)
POWER SUPPLY	220 V AC 50/60 Hz
PROTOCOL	Zigbee 3.0 · 2.4 GHz
RATED POWER	4000 W
STANDBY POWER	0.5 W
MATERIAL	ABS+PC fireproof
WORKING TEMP.	-20 °C ~ +50 °C

Inrush current occurs at switch-on. The high-power switch is specified where a standard 300 W gang cannot carry the load — water heaters, pumps and similar resistive circuits.

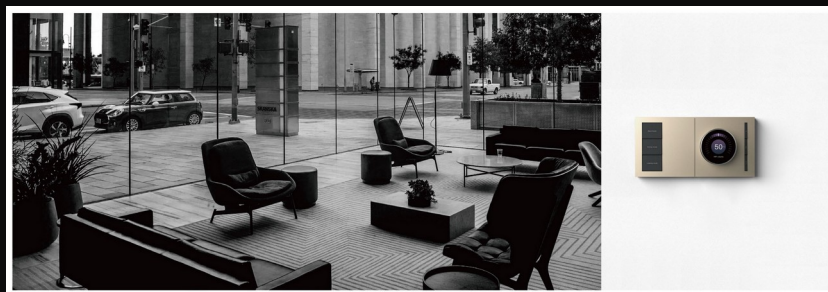
X1 SERIES · PANELS

Knob and control panels.



Multi-Function Knob Panel

Frame black PC · trim plate deep space gray



Smart Control Panel

Frame black PC · trim plate champagne gold

HADARA TECHNOLOGY · COMPANY PROFILE 2026

ROTARY DIMMING KNOB PANEL · AG GLASS



AG Glass · White



AG Glass · Grey



AG Glass · Gold

Continuous rotary dimming with a percentage read-out and an integrated three-key rocker — one plate for level, scene and on/off. Zigbee 3.0, 86 × 86 mm.

X1 SERIES · BATTERY, MOUNTS ANYWHERE

Remote Control Scene Switch.

16 finishes across four materials · 86 × 86 × 12 mm

ALUMINIUM ALLOY



White



Gold



Grey



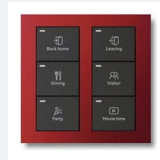
Black



Blue



Green



Red

GLASS AG / ART GLASS AG / PLASTIC



AG White



AG Gold



AG Grey



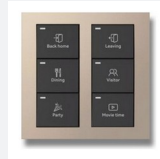
Art White



Art Grey



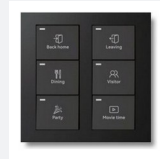
PC White



PC Gold



PC Grey



PC Black

POWER

CR2032 × 2

PROTOCOL

Zigbee 3.0 · 2.4 GHz

MATERIAL

ABS+PC fireproof / aluminium alloy / tempered glass

MOUNTING

Anywhere — wall, desk or bedside

WORKING TEMP.

−20 °C ~ +50 °C

SERIES 02 · BLACK MIRROR

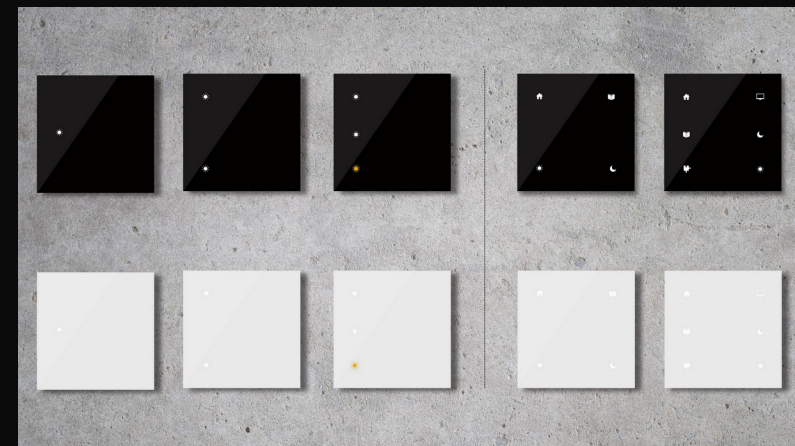
X2 Series.

Understated, and deliberately deep.

The touch area is AG anti-glare glass. Under raking light the frameless face returns a dark, layered reflection rather than a hotspot — a black mirror on the wall until the moment it is used.



PANEL	AG anti-glare tempered glass
FRAME	PC · black
RANGE	Smart switch 1/2/3 gang · scene switch 4/6 button
FINISHES	Elegant Black · Alpine White
PROTOCOL	Zigbee 3.0 · 2.4 GHz



SMART SWITCH · SMART SCENE SWITCH · BLACK AND WHITE

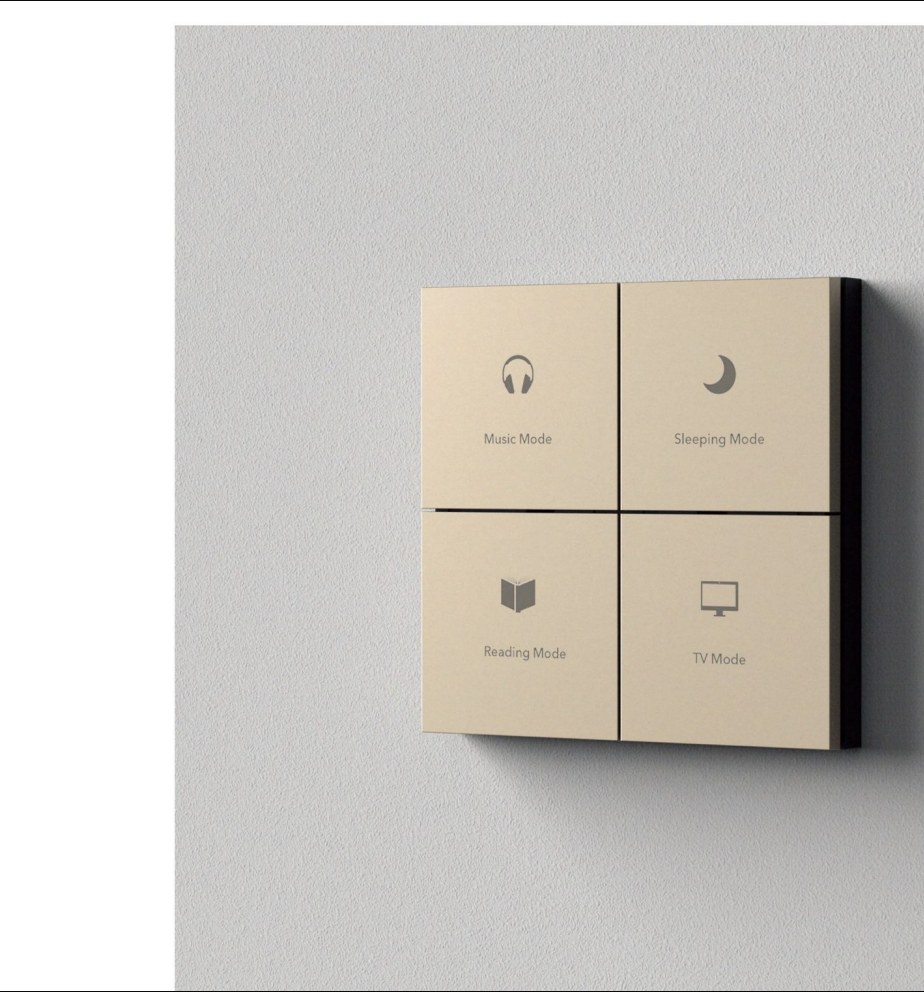
SERIES 03 · CHOCOLATE

X3 Series.

Minimal, square, and squarely lit.

The classic square cut of the X3 reads like chocolate — a free but rigorous shape. Keys can be customised with text and icons to suit the room, and backlight feedback is tied to the scene, so the panel states what it is doing before it is touched.

PROTOCOL	Zigbee 3.0 · 2.4 GHz
SUPPLY	220 V AC 50/60 Hz
PLATE	86 × 86 mm · 10.5 mm face
FINISHES	Alpine White · Champagne Gold · Dark Gray
RANGE	Switch · Scene · Curtain · Double curtain · High-power · Remote

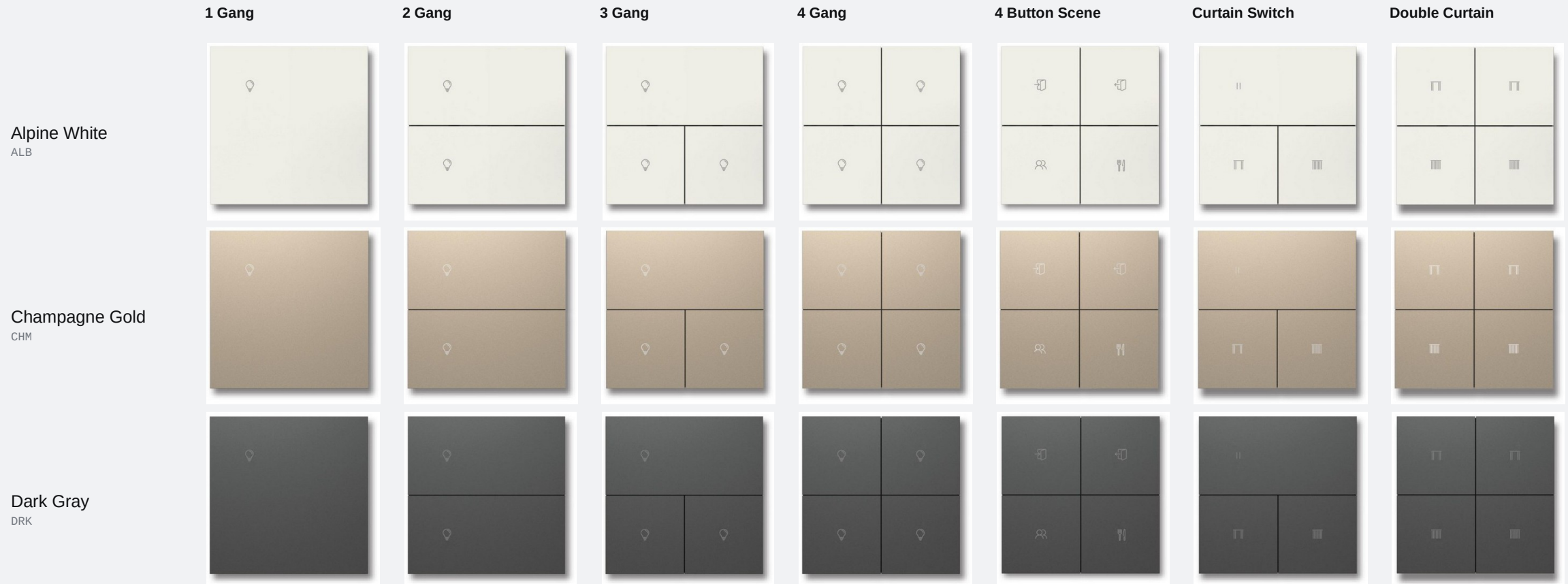


X3 SERIES · WITH NEUTRAL LINE

Smart Switch.

Zigbee 3.0 · 300 W per gang · customisable icons and backlight

21 CONFIGURATIONS



X3 SERIES · WIRELESS REMOTE

X3 Remote.

A scene controller that is not fixed to a wall.

Lithium battery with USB-C charging and integrated dimming. Place it on the bed, the desk, a console or the wall, link it to any device on the mesh, and build scenes from the app.

- POWER Lithium battery · USB Type-C charging
- FUNCTION Scene recall and dimming
- FINISHES Black · White · Silver · Champagne Gold
- MOUNTING Free-standing, magnetic or wall



WIRELESS IOT · SENSING

Smart Sensors.

The inputs that let the mesh act without being asked.



Water Sensor

Leak detection under sinks, plant rooms and wet areas.



T&H Sensor

Temperature and humidity with local display.



Smoke Sensor

Photoelectric smoke detection with app alert.



Gas Sensor

Combustible gas detection for kitchens and utility.



PIR Sensor

Occupancy and motion for presence-based lighting.



Door Sensor

Door and window contact for security and scenes.

All sensors operate on the same Zigbee 3.0 mesh as the switches and panels — no separate gateway, no separate app.

CHAPTER 05

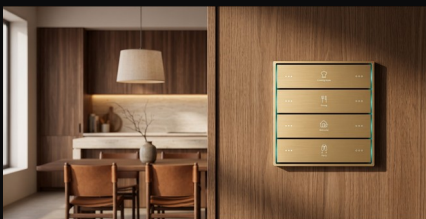
Engineering & Delivery

From consultant submittal to commissioned system.

05

WHERE IT APPLIES

One system. Five briefs.



Luxury Villas

Complete integrated smart living, engineered around the daily routine of the household.



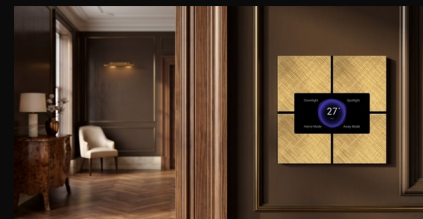
Apartments

Scalable intelligent control — an essential package that expands without rewiring.



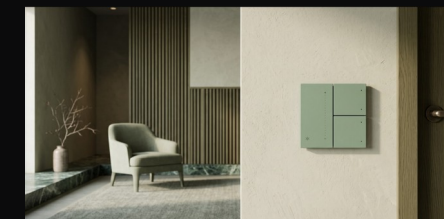
Residential Towers

Centralised building automation with apartment-level autonomy and unit handover at scale.



Hospitality

Guest room management, scene control and back-of-house supervision under one platform.



Commercial

Lighting, HVAC and energy management with centralised monitoring and reporting.

DELIVERY

Ten stages, in order.

An engineering process, not a sales timeline. Each stage has a deliverable and a sign-off.

01



Consultation

Brief, site constraints, budget envelope

02



System Design

Topology, device schedule, control philosophy

03



Engineering

Panel design, load schedules, bus calculations

04



Product Selection

Finishes, key layouts, interface language

05



Shop Drawings

Containment, back boxes, submittal pack

06



Supply

Procurement, inspection, staged delivery

07



Installation

Supervised first-fix and second-fix

08



Programming

ETS project, logic, third-party integration

09



Testing

Point-to-point verification, commissioning report

10



Handover

As-builts, O&M, training, support agreement

DOCUMENTATION

From specification to approval.

Hadara issues consultant-ready documentation at every gate. Submittals are prepared in the format the project requires, with the technical backing to survive review rather than to pass it once.



Technical datasheets



Compliance statements



System architecture drawings



Wiring and schematic diagrams



Shop drawings



Product and material samples



Method statements



Testing procedures (ITP)



Commissioning reports



As-built documentation



O&M manuals



Training records

ON SITE

Engineered on paper. Proven on site.

Our engineers supervise installation, configure every device and verify every point before handover. Nothing is signed off on the strength of a drawing alone.

**01 Panel installation**

DIN-rail layout, labelling, bus segregation from mains

**03 Device configuration**

Key assignment, icon sets, scenes, thermostat parameters

**05 System integration**

Third-party gateways, intercom, CCTV, audio, BMS

**07 User training**

Household or facilities team, recorded and documented

**02 KNX commissioning**

ETS project download, individual addressing, group logic

**04 Network configuration**

VLANs, IP routing, remote access, RF verification

**06 Testing & verification**

Point-to-point testing against the ITP, snag closure

**08 Final handover**

As-builts, O&M, commissioning report, support agreement

CHAPTER 06

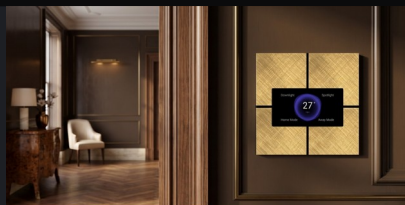
Project Portfolio

Selected references across the seven Emirates.



SELECTED REFERENCES

Delivered.



HOSPITALITY · DUBAI

Burj Al Arab

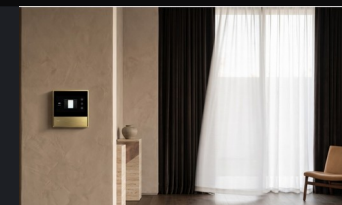
KNX and DALI lighting control across Royal Cabana, Business Cabana, Scape Restaurant, Scape Bar and Terrace Lounge.



GOVERNMENT · ALL SEVEN EMIRATES

Ministry of Interior

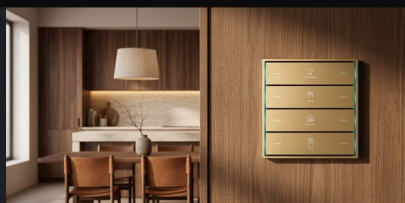
Mission-critical building automation, IP CCTV, intercom, public address and enterprise Wi-Fi across multiple facilities.



HOSPITALITY · DUBAI

Kempinski Hotel Palm Jumeirah

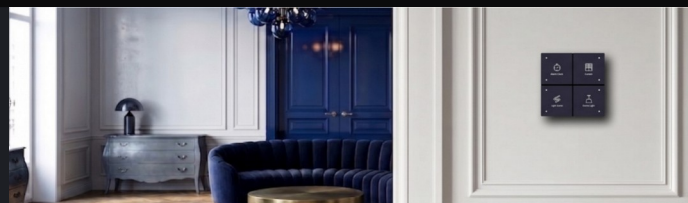
High-density enterprise network — 700+ access points, RF survey, performance benchmarking and full commissioning.



CONFIDENTIAL · DUBAI

Royal Residential Projects

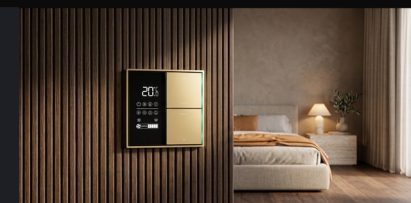
Palace automation integrating lighting, climate, shading, CCTV, intercom and multi-room audio with centralised visualisation.



BANKING · ABU DHABI

Abu Dhabi Islamic Bank

KNX and DALI lighting automation, RGBW architectural scenes, network infrastructure and centralised monitoring.



RESIDENTIAL · DUBAI · 114 APARTMENTS

Evera Residential

Per-unit smart cooling, lighting, shading, intercom and door locks with centralised building automation.

Imagery indicative of sector and scope. Verified project photography available on request.

ULTRA-LUXURY SMART VILLAS

Residential references.

A selection of private villa and palace deployments. Client names withheld where confidentiality applies.

PROJECT	LOCATION	SCOPE
Umm Suqeim Luxury Smart Home Villa	Dubai	Lighting · Curtain · IP CCTV · Multi-room · Video intercom · Wi-Fi
Nad Al Sheba Royal Smart Home Villa	Dubai	Lighting · AC · IP CCTV · Video & audio intercom · SMATV
Al Barsha South Smart Home Villa	Dubai	Lighting · Curtain & AC · IP CCTV · Music · Video intercom · Wi-Fi
Al Khawaneej Smart Home Villa	Dubai	Lighting · Curtain & AC · IP CCTV · Music · Video intercom · Wi-Fi
Al Barsha Third Smart Home Villa	Dubai	Lighting · AC · IP CCTV · Music · Video intercom · Wi-Fi
Nad Al Sheba Smart Home Villa	Dubai	Lighting · AC · IP CCTV · Music · Wi-Fi infrastructure
Dubai Meydan Smart Home Villa	Dubai	Lighting · AC · Curtain control · Music system
Abu Dhabi Wireless Smart Home Villa	Abu Dhabi	Wireless lighting & dimming · Wi-Fi infrastructure
Abu Dhabi Palace Smart Home & Security	Abu Dhabi	IP CCTV systems · IP intercom systems
Smart Villas — Northern Emirates	AUH · SHJ · AJM · RAK · FUJ	50+ villas · KNX automation · Audio · Garage · Outdoor
Khalifa Port Industrial Zone	Abu Dhabi	KNX automation across 5+ buildings · HVAC · Energy monitoring
Private Cinema Automation Suite	International	KNX lighting automation · AC control · Cinema room integration

THE CASE

Why Hadara.

A specialist smart home and automation engineering company — not a generalist contractor with an automation department.

01

In-House Engineering

KNX design, ETS programming and integration held in-house — not subcontracted to a third party after award.

02

Multi-Technology Expertise

Wired and wireless automation engineered by one team, so the technology decision is made on merit.

03

Complete Solution

Concept, design, supply, programming, installation, commissioning and support under a single accountability.

04

Premium Product Portfolio

Architectural controls, KNX automation, IoT and ELV systems from specified, certified manufacturers.

05

Project Experience

700+ deployments and 150+ luxury villas across the seven Emirates, including government and hospitality landmarks.

06

Technical Support

Local engineering presence, after-sales support and annual maintenance beyond project completion.

FOR CONSULTANTS, DEVELOPERS & DESIGNERS

Let's build intelligent spaces.

Hadara works alongside consultants, developers, architects, interior designers, MEP contractors, system integrators and distributors — from early specification through to site support.



Project support	Specifications	Design assistance	BOQ preparation
Product selection	Technical submittals	Physical samples	Project quotations
Mock-up support	Commissioning support	Site supervision	After-sales & AMC



HADARA TECHNOLOGY

Smart Home · Building Automation · KNX · IoT · ELV

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