



AQURA Essentials

Datasheets

televic

AQURA Essentials product overview



50.13.0010 Central ward equipment

AQURA smart ward controller module



49.05.2010 Nurse station 7 inch

49.05.2020 Nurse station 8 inch

Android nurse station phone incl. AQURA alarm app



50.13.0031 Room light and hub

AQURA smart overdoor light with integrated room hub

excl. mounting frame 50.09.1010 or



50.30.0010 Room light and hub

SIP addressable digital smart intercom unit

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210)



50.12.0030 Smart unit

Smart single outlet with call and cancellation button

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210)



50.14.0020 Smart unit

Smart alarm unit with blue main button and yellow side button

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210)



50.10.0210 Passive unit

Passive call unit with red button

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210)



50.10.0220 Passive unit

Passive call unit with pull cord

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210, 50.09.1110)



50.20.0210 Passive unit

Passive unit with green button and buzzer

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210, 50.09.1110)



50.20.0220 Passive unit

Passive unit with green main button, red side button and buzzer

excl. mounting frame
(50.09.1010, 50.09.1020, 50.09.1210, 50.09.1110)



50.15.0010

Push pear with red button and magnetic connector

Compatible with 50.12.****



50.15.0050

Push pear with light control and magnetic connector

Compatible with 50.12.****



50.09.1500

Push pear wall holder

Per 10



50.16.0020

Monitoring cable

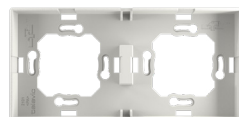
Compatible with 50.12.****



50.09.1010

Single mounting frame for units

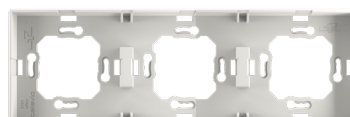
Per 10



50.09.1020

Double mounting frame for units

Per 10



50.09.1030

Triple mounting frame for units

Per 10



50.09.1210

Single surface mounting frame 30mm for units

Per 10



50.09.1220

Double surface mounting frame 30mm for units

Per 10



50.09.1110

IP54 single mounting frame for units

Per 10



50.09.1410

Blind plate

Per 10



50.08.1013

Screw connectors 3 positions

Pack of 50



50.08.1014

Screw connectors 4 positions

Pack of 50



50.08.1015

Screw connectors 5 positions

Pack of 50



50.08.1016

Screw connectors 6 positions

Pack of 50



50.08.1212

Power terminal block 2 positions

Pack of 50

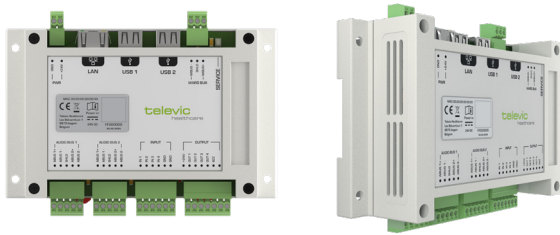


50.09.0200

Magnetic tool

Per piece

AQURA central ward equipment



Smart ward controller

50.13.0010 per piece

- › The ward controller is the control and communication unit for a nurse call ward with wired room hubs and/or intercom units.
- › It connects the AQURA back-end over IP.
- › It functions as a SIP gateway for intercom, each intercom unit is SIP addressable.
- › One ward controller is required per physical ward.
- › The module has a ward bus connecting all wired room hubs.
 - › Up to 40 wired room hubs
 - › Up to 200 meter
- › The module has an audio bus connecting all intercom units.
 - › Up to 80 intercom units
 - › Up to 80 meters between two intercom units
 - › 2 branches or 1 loop
 - › Up to 2 simultaneous calls per ward
- › Fallback mechanism for local ward mode in case the wardcontroller gets isolated from the central system. Fallback mode includes call forwarding according to DIN VDE0834 regulation.
- › Service button and LED; LEDs for audio bus sync
- › External 24VDC power
- › Ethernet 100 BASE-T connection

Specifications:

Dimensions (LxWxH)	145 x 93 x 40.8 mm
Material	PC RAL9016
Power input	24VDC \pm 10% Protected by self resetting fuse Protected against reverse polarity
Power consumption	Device standby current: 100 mA Device maximum current: 500 mA Maximum output current to IO: 40 mA
Contact inputs and outputs	Inputs (4x): Dry contact active when closed to GND Outputs (4x): Sink type, non isolated outputs Open collector closes to GND when activated, 125 mA max load per output (when powered by external device). max. 40 mA for all outputs (when powered by ward controller).
Connectivity	RJ45 Ethernet network port AQURA ward bus 2x AQURA audio link 4 inputs (for future purpose) 4 outputs + buzzer (for future purpose) 2x USB port (for future purpose)
Regulation	CE, RoHS, VDE 0834
Mounting	DIN rail mounting (35mm) 4 mounting holes (L:135mm H:70mm) e.g. to fix on a surface with screws.
Connectors (included)	All connectors are included with the ward controller. 3x resistors (120 Ω) are included to use as terminal blocks for the ward bus termination.

Connections:

PWR (24VDC power input)

Pin	Power
GND	Power input
+24V	Red & pear button LED feedback

LAN

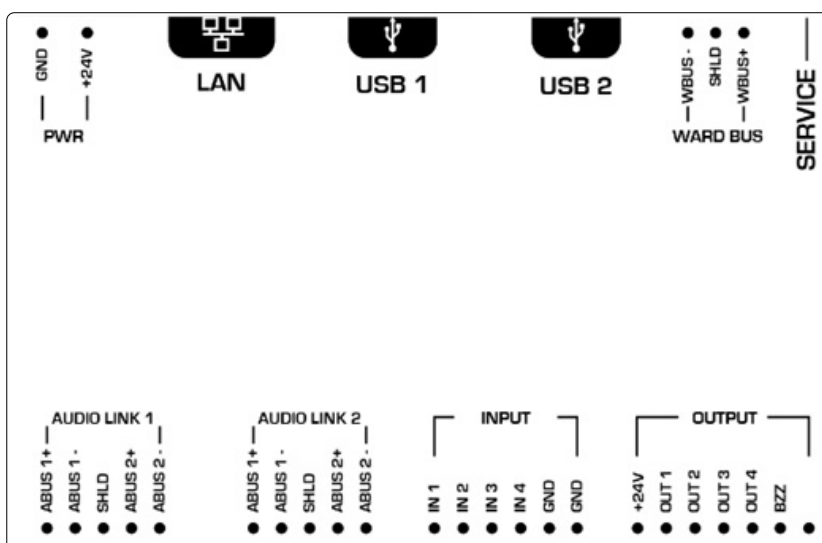
RJ45	Network connection
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WARD BUS

Pin	Power
WBUS+	Ward bus +
SHLD	Ward bus shield
WBUS-	Ward bus -

USB

USB 1	N.A.
USB 2	N.A.



AUDIO LINK 1 and 2

Pin	Audio bus
ABUS 1+	Audio data 1 +
ABUS 1-	Audio data 1 -
SHLD	Shield
ABUS 2+	Audio data 2 +
ABUS 2-	Audio data 2 -

INPUT (for future purpose)

Pin	Inputs
IN1	Input 1
IN2	Input 2
IN3	Input 3
IN4	Input 4
GND	Ground for the inputs
GND	Ground for the inputs

OUTPUT (for future purpose)

Pin	Outputs
+24V	Power for the outputs
OUT1	Output 1
OUT2	Output 2
OUT3	Output 3
OUT4	Output 4
BZZ	Buzzer

Nurse signalisation



7 inch Android nurse station phone

49.05.2010

per piece

- › Nurse station phone with 7 inch touch screen
- › License needed for activation of AQURA mobile alarm application: 49.72.0001 (per device) or 49.72.1001 (per 10 devices)
- › Desktop or wall mountable
- › integrated SIP (video) phone
- › HD sound
- › HD camera
- › Speaker phone with echo cancellation
- › HDMI out
- › Runs on Android
- › Wifi and Ethernet connection
- › External 12VDC power or PoE

Specifications:

Dimensions	244 x 198 x 73 mm
Power input	12 VDC 1.5A (power adapter included) or PoE 802.3af Class 3, PoE+ 802.3at, Class 4
Auxiliary ports	RJ9 headset jack (allowing EHS with Plantronics headsets), 3.5mm stereo headset with microphone, USB port, SD, HDMI-out (1.4 up to 720p 30fps)
Connectivity	RJ45 Ethernet network port Wifi dual-band 802.11a/b/g/n (2.4GHz & 5GHz) Integrated Bluetooth 4.0 + EDR
Display	7" 1024x600 capacitive touch screen (5 points) TFT LCD
Camera	Tilttable mega-pixel CMOS camera with privacy shutter, 720p 30fps
Voice codecs	G.711µ/a, G.722 (wide-band), G.726-32, iLBC, Opus, G.729A/B, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS
Video codecs	H.264 BP/MP/HP, video resolution up to 720p, frame rate up to 30 fps, bit rate up to 2Mbps, 3-way video conference (720p 30fps), anti-flickering, auto focus and auto exposure
Telephony features	Hold, transfer, forward (unconditional/no-answer/busy), call park/pickup, 7-way audio conference(including the host), shared-call-appearance (SCA) / bridged-line-appearance (BLA), virtual MPK, downloadable contacts (XML, LDAP, up to 1000 items), call record(local and server), call log (up to 1000 records), call waiting, auto answer, XML customization of screen, flexible dial plan, hot desking, personalized music ringtones and music on hold, server redundancy & fail-over
Regulation	FCC: Part 15 (CFR 47) Class B; UL 60950 (power adapter); Part68 (HAC) CE : EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, EN62479, RoHS RCM: AS/ACIF S004; AS/NZS CISPR22/24; AS/NZS 60950; AS/NZS 4268 EAC
Mounting	Built-in table stand with multiple adjustable angles. Wall mountable.

Nurse signalisation



8 inch Android nurse station phone

49.05.2020 per piece

- › Nurse station phone with 8 inch touch screen IPS LCD
- › License needed for activation of AQURA mobile alarm application: 49.72.0001 (per device) or 49.72.1001 (per 10 devices)
- › Desktop or wall mountable
- › Integrated SIP (video) phone
- › HD sound
- › 2 megapixel camera
- › Speaker phone with echo cancellation
- › HDMI in/out
- › Runs on Android
- › Wifi and Ethernet connection
- › External 12VDC power or PoE

Specifications:

Dimensions (LxWxH)	244 x 198 x 73 mm
Power input	12 VDC 1.5A (power adapter included) or PoE 802.3af Class 3, PoE+ 802.3at, Class 4
Auxiliary ports	RJ9 headset jack (allowing EHS with Plantronics headsets), 3.5mm stereo headset with microphone, USB 2.0 port, micro SD, HDMI-out (1.4 up to 1080p60fps), HDMI-in (1.4 up to 1080p@60fps)
Connectivity	RJ45 Ethernet network port Wifi dual-band (2.4GHz & 5GHz) with 802.11ac a/b/g/n/ac and WMM Integrated Bluetooth 4.2 + EDR
Display	8" 1280x800 capacitive touch screen (10 points) IPS LCD
Camera	Tiltable 2 megapixel CMOS camera with privacy shutter, 1080p 30fps
Voice codecs	Wide-band Opus, wide-band G.722, G.711µ/a, G.729A/B, G.726-32, iLBC, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS
Video codecs	H.264 BP/MP/HP, video resolution up to 1080p, frame rate up to 30 fps, bitrate up to 4Mbps, 3-way video conference (1080p@30fps), BFCP, people video (up to 1080p@30fps) + content video (up to 1080p@15fps), anti-flickering, auto focus and auto exposure, camera block
Telephony features	Hold, transfer, forward (unconditional/no-answer/busy), call park/pickup, 7-way audio conference(including the host), shared-call-appearance (SCA) / bridged-line-appearance (BLA), virtual MPK, downloadable contacts (XML, LDAP, up to 2000 items), call record(local and server), call log (up to 2000 records), call waiting, auto answer, XML customization of screen, flexible dial plan, hot desking, personalized music ringtones and music on hold, server redundancy & fail-over
Regulation	FCC: Part 15 (CFR 47) Class B; UL 60950 (power adapter); Part68 (HAC) CE : EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1, EN62479, RoHS RCM: AS/ACIF S004; AS/NZS CISPR22/24; AS/NZS 60950; AS/NZS 4268 EAC
Mounting	Built-in table stand with multiple adjustable angles. Wall mountable.

AQURA smart room units



Overdoor light with integrated room hub

50.13.0031 per piece

- › The room hub is a control and communication unit for a nurse call room with smart and/or passive units.
- › The hub connects to the AQURA ward controller over the ward bus.
- › One room hub is required per nurse call room.
- › The hub has a free topology room bus for connecting smart room units:
 - › Up to 30 smart room units per room hub
 - › Up to 100 meter
- › The hub has 4 contact inputs, 4 contact outputs and a buzzer output for connecting passive room units:
 - › Up to x passive units per input/output contact
 - › Up to 100 meter per input/output contact
 - › The inputs and outputs have pre-defined functionality (see "connections")
- › Fallback mechanism for room mode in case the room hub gets isolated from the system. In fallback mode a reduced nurse call functionality still works and gets indicated on the room lamp and units connected to that room hub.
- › Service mode for easy deployment and testing of buttons and cabling.
- › Service button and LED on the back. Magnetic sensor for servicing without unmounting the unit.
- › External 24VDC power
- › The hub has an integrated 4 field lamp with 5 colors
 - › Red (first row)
 - › Green (second row)
 - › Yellow or white (third row)
 - › Blue or white (fourth row)
- › Needs to be mounted on a mounting frame (not included).
- › License needed: 48.72.0010



Specifications:

Dimensions (LxWxH)	91 x 91 x 36 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant PC/PET (cover) Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10% Protected by self resetting fuse Protected against reverse polarity
Power consumption @24VDC	Device standby current: 20 mA Device maximum current: 96 mA Maximum output current to room: 2,5 A
Visibility	0-180° visibility
Contact inputs and outputs	Inputs (4x): Dry contacts active when closed to GND Outputs (4x): Sink type, non isolated outputs Open collector closes to GND when activated, 140 mA max load per output (when powered by external device). max. 250 mA for all outputs (when powered by room hub)
Buzzer	Buzzer PWM output for AQURA passive units
Regulation	CE, RoHS, VDE 0834
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame.
Connectors (included)	Power connector 50.08.1212 50.08.1013 (ward bus), 50.08.1014 (room bus) 50.08.1015 (inputs) 50.08.1016 (outputs)

Connections:

INPUTS (5P)

PIN	Inputs
IN 1	NOR (normal call)
IN 2	SAN (sanitary call)
IN 3	PRES (presence/cancel)
IN 4	GEN (general)
GND	Ground

POWER INPUT (2P)

PIN	Power
+24V	Power of the hub
GND	Ground of the hub

WARD BUS (3P)

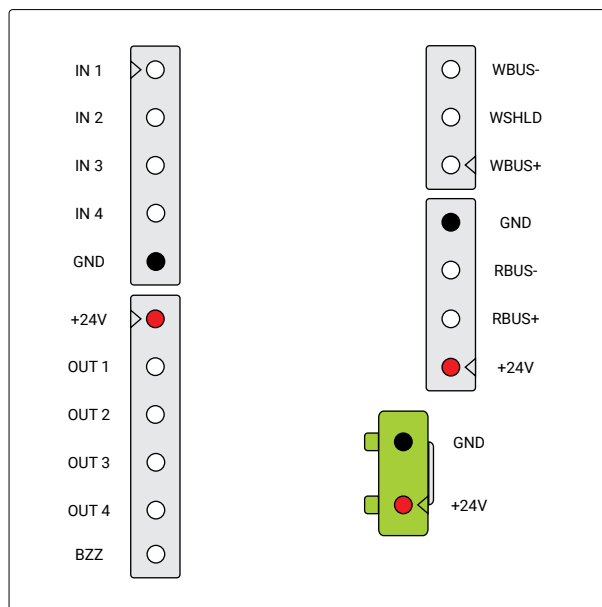
PIN	Ward bus
WBUS-	Ward bus -
WSHLD	Shield ward bus
WBUS+	Ward bus +

ROOM BUS (4P)

PIN	Room Bus
GND	Ground for the units
RBUS -	Room bus -
RBUS +	Room bus +
+24V	Power for the units

OUTPUTS (6P)

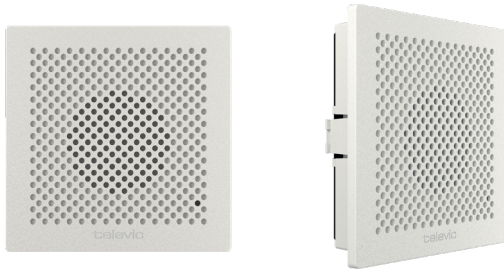
PIN	Outputs
+24V	Power
OUT 1	NOR (normal call)
OUT 2	SAN (sanitary call)
OUT 3	PRES (presence/cancel)
OUT 4	GEN (general)
BZZ	Buzzer output for call forwarding



Unit accessories:

	Single mounting frame for units per 10	50.09.1010
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Power terminal block 2 positions pack of 50	50.08.1212
	Screw connectors 3 positions pack of 50	50.08.1013
	Screw connectors 4 positions pack of 50	50.08.1014
	Screw connectors 5 positions pack of 50	50.08.1015
	Screw connectors 6 positions pack of 50	50.08.1016

Smart intercom unit



SIP addressable digital smart intercom unit

50.30.0010 per piece

- › Digital audio intercom unit for communication with the residents or patients.
 - › Allows nurses to assess the call
 - › Allows nurses to check up on patients remotely
 - › Gives peace of mind to the residents or patients by knowing they are being heard.
- › The intercom unit connects to the AQURA ward controller over the audio bus.
- › Intercom units are SIP addressable
- › Hands free communication up to 5 meter
- › Echo cancellation and noise suppression for clear speech intelligibility
- › Auto pickup preceded by a tone when a nurse call is active.
- › An integrated privacy LED indicates a conversation is ongoing.
- › Magnetic sensor for servicing without unmounting the unit.
- › Modular unit to be mounted on a mounting frame (not included)

Connections:

2x AUDIO LINK (5P)

PIN	Audio Bus
PIN	Audio bus
1+	Audio data 1+
1-	Audio data 1-
SHLD	Shield
2+	Audio data 2+
2-	Audio data 2-

POWER IN (2P)

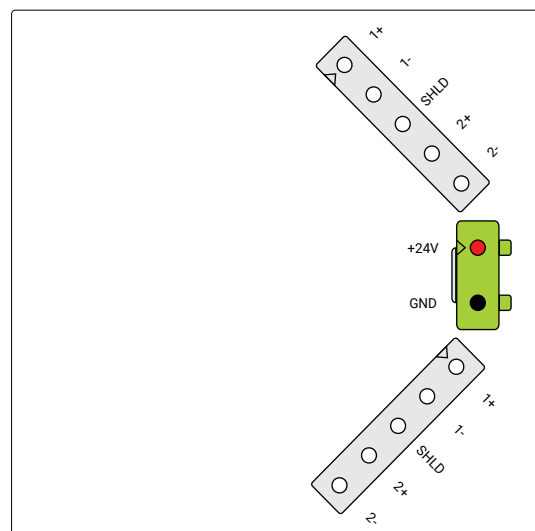
PIN	Power
GND	Ground
+24V	24V power

Specifications:

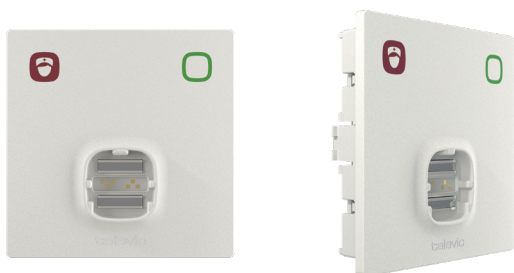
Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10% via the room bus Protected by self resetting fuse Protected against reverse polarity
Power consumption	Device standby current: 64 mA Device maximum current: 150 mA
Connectivity	AQURA audio link
Regulation	CE, RoHS, VDE 0834
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame.
Connectors (included)	2x 50.08.1015 (audio link) power connector 50.08.1212.

Unit accessories:

	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 5 positions pack of 50	50.08.1015
	Power terminal block 2 positions pack of 50	50.08.1212



AQURA smart room units



Smart single outlet with call and cancellation button

50.12.0030 per piece

- › Magnetic socket designed to connect a push pear or another alarm trigger trough a monitoring cable.
- › Red button with nurse symbol and integrated finding light for nurse call or assistance call.
- › Green button for call cancellation.
- › All buttons have LED feedback.
- › A dedicate LED is integrated above the socket to indicate a call is active from the connected device.
- › A 'Pull out' call can be launched as soon as the push-pear or monitoring cable is disconnected.
- › Two outputs are provide on the unit for light control.
- › This unit connects on the AQURA room bus.
- › Modular unit to be mounted on a mounting frame (not included).

Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10% via the room bus Protected by self resetting fuse Protected against reverse polarity
Power consumption	Device standby current: 17 mA Device maximum current: 29 mA
Connectivity	AQURA room bus
Contact outputs	Outputs for light control (2x): 2 isolated optomosfet independent outputs for controlling lights. (Requires additional 24 VDC relays for controlling lights) 50 mA max load per output
Socket properties	Auto release of the magnetic connector Frontal release strength is 5,6 kg Sidewise release strength is 2,1 kg
Socket compatibility	Push pears 50.15.**** The two relais on the socket are controlled by the light control buttons on a push pear. The outputs controlled by the blend control buttons of a push pear are done on a smart input extender (50.11.0010) Monitoring cable 50.16.0020
Regulation	CE, RoHS, VDE 0834
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. Can be mounted on the non-wallbox side of an AQURA multiple frame.
Connectors (included)	50.08.1014 (room bus) 50.08.1013 (optional: needed for light control)

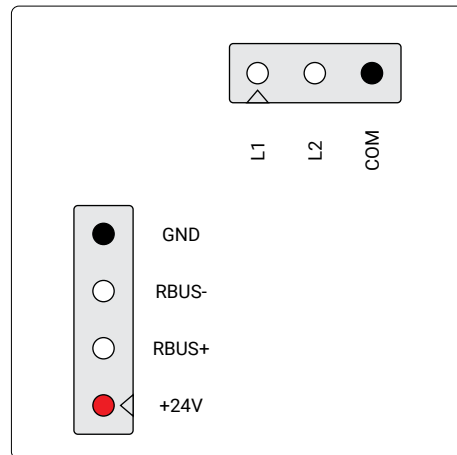
Connections:

ROOM BUS (4P)











PIN	Room Bus
GND	Ground
RBUS -	Room bus -
RBUS +	Room bus +
+24V	Power

LIGHT CONTROL (3P)

PIN	Inputs mode 1
L1	Room light
L2	Bed light
COM	Light common



Unit accessories:

	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 3 positions pack of 50	50.08.1013
	Screw connectors 4 positions pack of 50	50.08.1014
	Push pear with call button	50.15.0010
	Push pear with call button and 4 buttons	50.15.1050
	Monitoring cable	50.16.0020

AQURA smart room units



Smart alarm unit with blue main button and yellow side button

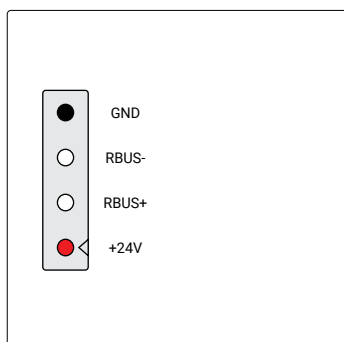
50.14.0020 per piece

- › Blue button with integrated finding light for medical or reanimation call.
- › A secondary yellow button is to reset the medical or rea call.
- › All buttons have LED feedback.
- › This unit connects on the AQURA room bus.
- › Modular unit to be mounted on a mounting frame (not included).

Connections:

ROOM BUS (4P)

PIN	Room Bus
GND	Ground
RBUS -	Room bus -
RBUS +	Room bus +
+24V	Power



Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10% via the room bus Protected by self resetting fuse Protected against reverse polarity
Power consumption	Device standby current: 12 mA Device maximum current: 25 mA
Connectivity	AQURA room bus
Regulation	CE, RoHS, VDE 0834
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. Can be mounted on the non-wallbox side of an AQURA multiple frame.
Connectors (included)	50.08.1014 (room bus)

Unit accessories:


	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 4 positions pack of 50	50.08.1014

AQURA passive units



Passive call unit with red button

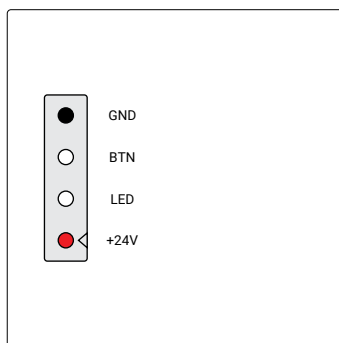
50.10.0210 per piece

- › Red button with nurse symbol and integrated finding light for normal, sanitary or assistance calls.
- › The red button has LED feedback.
- › The passive unit has inputs and outputs to connect the button and LED.
- › Modular unit to be mounted on a mounting frame (not included).
- › Can be made wireless, by adding input extender.
48.11.0001 

Connections:

POWER AND I/O (4P)







PIN	Description
GND	Unit ground
BTN	Button trigger
LED	Button light
+24V	Power input



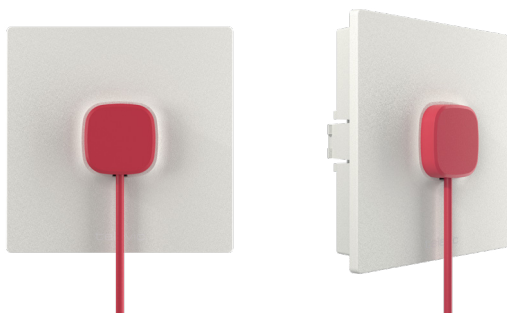
Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10%
Power consumption	Device standby current: 0.1 mA Device maximum current: 4 mA
Input/Output	Button output: NO, closed to GND when active LED input: active when closed to 24V
Regulation	CE, RoHS
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. Can be mounted on the non-wallbox side of an AQURA multiple frame.
Connectors (included)	50.08.1014

Unit accessories:


	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 4 positions pack of 50	50.08.1014

AQURA passive units



Passive call unit with pull cord

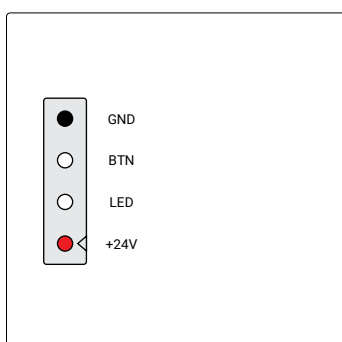
50.10.0220 per piece

- › Red pull cord unit with integrated finding light for normal, sanitary or assistance calls.
- › The unit has LED feedback.
- › May be used in bathrooms and sanitary rooms, has an IP54 rating if combined with a sealed frame.
- › The pull cord has a 'weak link' integrated. The weak link will non destructively release when a hard pull force is applied. A minimum pulse length is guaranteed, even if the weak link breaks within a split second. (ex. Somebody holds the pullcord and fall down).
- › The passive unit has inputs and outputs to connect the button and LED.
- › Modular unit to be mounted on a mounting frame (not included).
- › Can be made wireless, by adding input extender.
48.11.0001 

Connections:

POWER AND I/O (4P)








PIN	Description
GND	Ground
BTN	Pull cord trigger
LED	Pull cord light
+24V	Power input



Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40 IP54 if combined with 50.09.1110
Power input	24VDC ± 10%
Power consumption	Device standby current: 0.1 mA Device maximum current: 4 mA
Input/Output	Button output: NO, closed to GND when active LED input: active when closed to 24V
Regulation	CE, RoHS
Pull cord properties	Pull cord length is 2 meters Minimum trigger time is 140ms Breaking point of the weak link is a pull force of 15kg
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. For IP54 a sealed AQURA frame must be used.
Connectors (included)	50.08.1014

Unit accessories:


	Single mounting frame for units per 10	50.09.1010
	IP54 Single mounting frame for PULL CORD units - per 10	50.09.1110
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 4 positions pack of 50	50.08.1014

AQURA passive units










Passive unit with green button and buzzer

50.20.0210 per piece

- › Central green call button for nurse presence and call cancellation.
- › Integrated buzzer for call forwarding.
- › Integrated finding light on the green button.
- › The green button has LED feedback.
- › The passive unit has inputs and outputs to connect the button, LED and buzzer.
- › Modular unit to be mounted on a mounting frame (not included).
- › Can be made wireless, by adding input extender. 48.11.0001 

Unit accessories:

	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 3 positions pack of 50	50.08.1013
	Screw connectors 4 positions pack of 50	50.08.1014

Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10%
Power consumption	Device standby current: 12 mA Device maximum current: 25 mA
Input/Output	Button output: NO, closed to GND when active LED input: active when closed to 24V
Buzzer	Volume controllable via PWM
Regulation	CE, RoHS
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. Can be mounted on the non-wallbox side of an AQURA multiple frame.
Connectors (included)	Connector 50.08.1014 Connector 50.08.1013 (for buzzer)

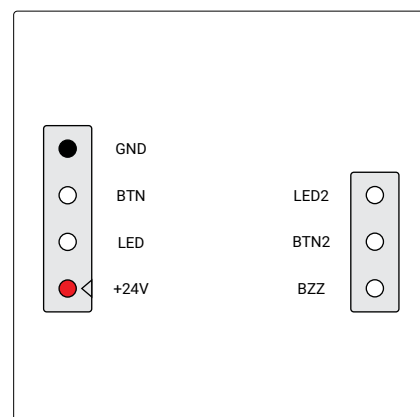
Connections:

POWER AND I/O (4P)

PIN	Description
GND	Ground
BTN	Green button trigger
LED	Green button light
+24V	Power input

BUZZER (3P)

PIN	Description
LED2	n.a.
BTN2	n.a.
BZZ	Buzzer input



AQURA passive units



Passive unit with green main button, red side button and buzzer

50.20.0220 per piece

- › Central green call button for nurse presence and call cancellation.
- › Red side button with nurse symbol for normal, sanitary or assistance calls.
- › Integrated buzzer for call forwarding.
- › Integrated finding light on the red and green button.
- › The green and red button have LED feedback.
- › The passive unit has inputs and outputs to connect the button, LED and buzzer.
- › Modular unit to be mounted on a mounting frame (not included).

Unit accessories:

	Single mounting frame for units per 10	50.09.1010
	Double mounting frame for units per 10	50.09.1020
	Triple mounting frame for units per 10	50.09.1030
	Single surface mounting frame 30mm for units - per 10	50.09.1210
	Double surface mounting frame 30mm for units - per 10	50.09.1220
	Screw connectors 3 positions pack of 50	50.08.1013
	Screw connectors 4 positions pack of 50	50.08.1014

Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	PC/PBT - UV stabilized - V-0 flame retardant Main color: RAL9016
IP rating	IP40
Power input	24VDC ± 10%
Power consumption	Device standby current: 12 mA Device maximum current: 25 mA
Input/Output	Button output: NO, closed to GND when active LED input: active when closed to 24V
Buzzer	Volume controllable via PWM
Regulation	CE, RoHS
Mounting	Requires an AQURA frame to be mounted on (see accessories) Can be mounted on a wall box with an AQURA mounting frame. Can be mounted on a surface with an AQURA surface mounting frame. Can be mounted on the non-wallbox side of an AQURA multiple frame.
Connectors (included)	Connector 50.08.1014 Connector 50.08.1013 (for buzzer)

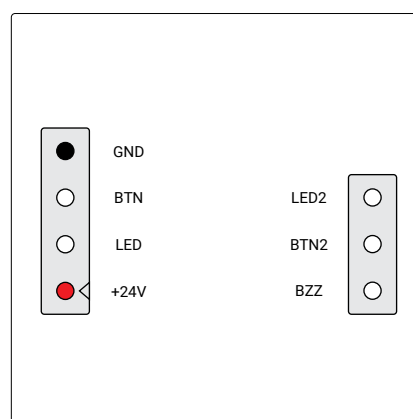
Connections:

POWER AND I/O (4P)

PIN	Description
GND	Ground
BTN	Green button trigger
LED	Green button light
+24V	Power input

BUZZER (3P)

PIN	Description
LED2	Red button light
BTN2	Red button trigger
BZZ	Buzzer input



AQURA push pears



Push pear with red button and magnetic connector

50.15.0010 per piece

- › Large red call button, with integrated reassurance LED.
- › Finding light to find the push-pear in the dark
- › Flame-retardant and anti-static
- › Connect to the AQURA magnetic sockets 50.12.**** through the self-releasing plug.



Push pear with red button, light control and magnetic connector

50.15.0050 per piece

- › Same features as 50.15.0010 with 4 additional buttons.
- › 2 buttons to control lights
 - › Room light control
 - › Bed light control
- › 2 buttons to control blinds, this feature is only available when using outlets 50.12.0260 or 50.12.00xx with 50.11.0010.
 - › Blinds up control
 - › Blinds down control

Related products:



Smart single outlet with call and cancellation button

50.12.0030



Push pear wall holder

50.09.1500

Specifications:

Dimensions (LxWxH)	96 X 59 X 43mm
Material	PE & TPU UL94 Flame retardant
Weight	200gr
IP rating	IP67 (EN60529)
Power consumption	Device standby current: 4,4 mA Device maximum current: 7,3 mA
Compatibility	AQURA magnetic connector Compatible with 50.12.**** outlets
Cable properties	Length : 2,5 meter Diameter : 5,5 mm Color : Pantone 427C
Function buttons	50.15.0010: no extra buttons 50.15.0050: 4 extra buttons
Regulation	CE, RoHS, VDE 0834
Mounting	Handheld device, a bracket for wall mounting is provided: 50.09.1500

AQURA accessories and spare parts



Push pear wall holder

50.09.1500 per piece

- › Metal bracket for holding a push pear

Specifications:

Material	Painted inox
Color	RAL9010
Regulation	RoHS



Monitoring cable

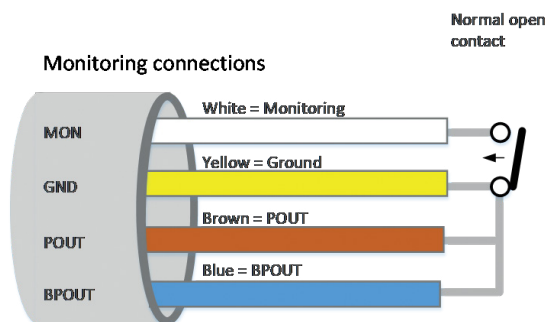
50.16.0020 per piece

- › Plug with cable to the AQURA magnetic sockets 50.12.**** through the self-releasing mechanism.
- › Ability to detect a dry-contact alarm:
 - › Normal open contact
 - › Normal close contact

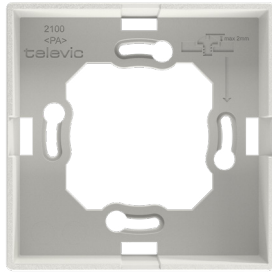
Specifications:

Material	PE & TPU
Cable properties	Length : 2,5 meter Diameter : 5,5 mm Color : Pantone 427C
Compatibility	AQURA magnetic connector Compatible with 50.12.**** outlets
Connections	Pear connections (trigger & LED) Monitoring connections (NO & NC) Pull-out detection
Regulation	CE, RoHS

Connections:



AQURA accessories and spare parts



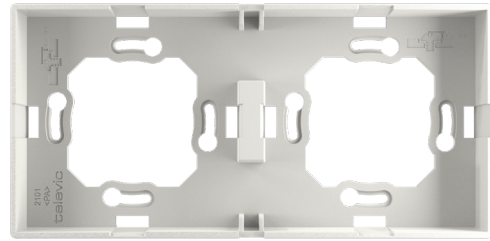
Single mounting frame for units

50.09.1010 per pack (x10)

- › One AQURA unit can be clicked directly into this mounting frame.

Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	Color: RAL9016
Regulation	CE
Mounting	On a wall box



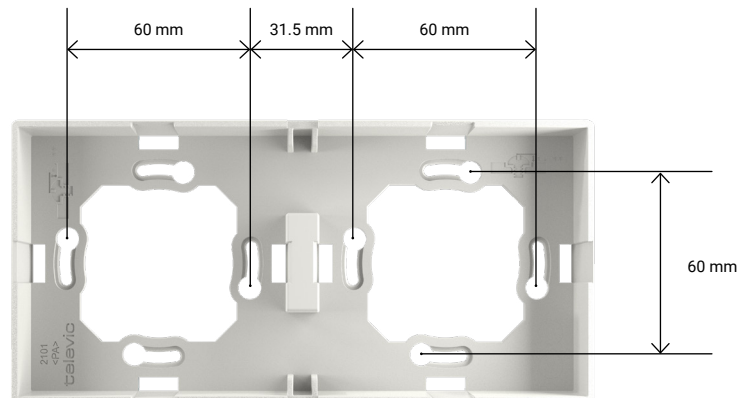
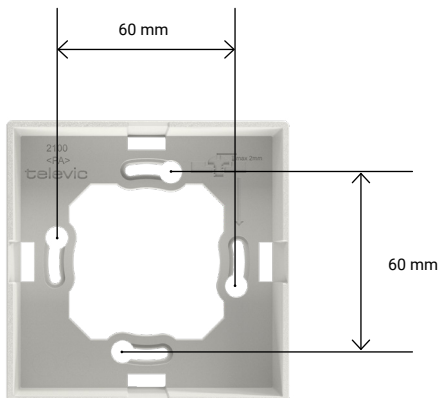
Double mounting frame for units

50.09.1020 per pack (x10)

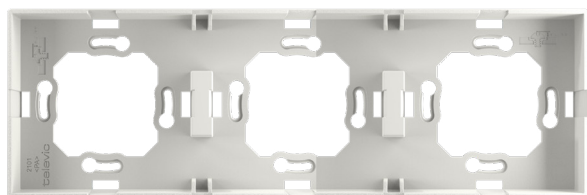
- › Two AQURA units can be clicked directly into this mounting frame.

Specifications:

Dimensions (LxWxH)	182 x 91 x 21 mm
Material	Color: RAL9016
Regulation	CE
Mounting	On a wall box



AQURA accessories and spare parts



Triple mounting frame for units

50.09.1030 per pack (x10)

- › Three AQURA unit can be clicked directly into this mounting frame.

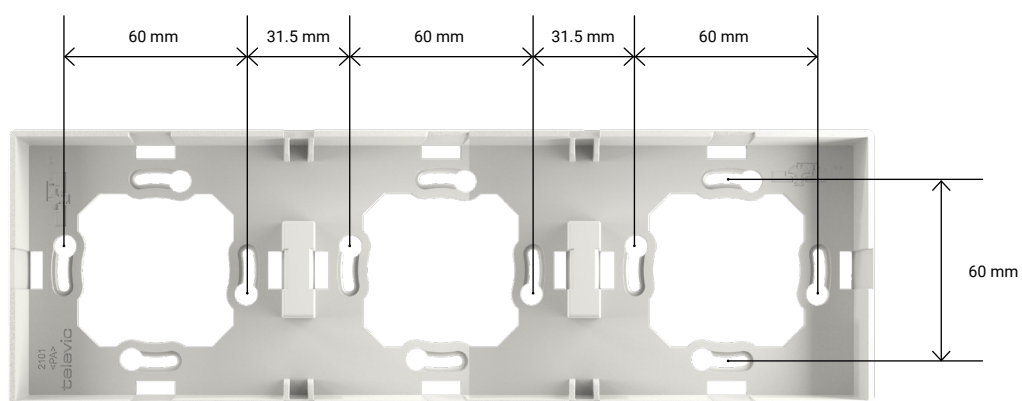
Specifications:

Dimensions (LxWxH) 273 x 91 x 21 mm

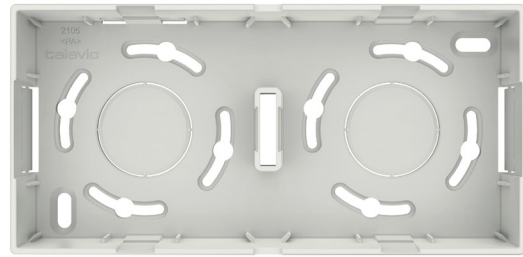
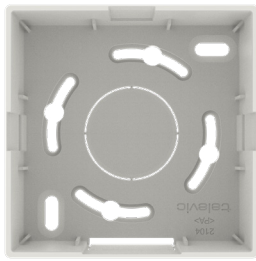
Material Color: RAL9016

Regulation CE

Mounting On a wall box



AQURA accessories and spare parts



Single surface mounting frame 30mm for units

50.09.1210 per pack (x10)

- › Surface mounting frame with more depth. AQURA units can be clicked directly into this mounting frame. The mounting frame is also fitted for an AQURA wireless input extender.

Double surface mounting frame 30mm for units

50.09.1220 per pack (x10)

- › Surface mounting frame with more depth. AQURA units can be clicked directly into this mounting frame. The mounting frame is also fitted for an AQURA wireless input extender.

Specifications:

Dimensions (LxWxH) 91 x 91 x 30 mm

Material Color: RAL9016

Regulation CE

Mounting Surface mountable
On a wall box

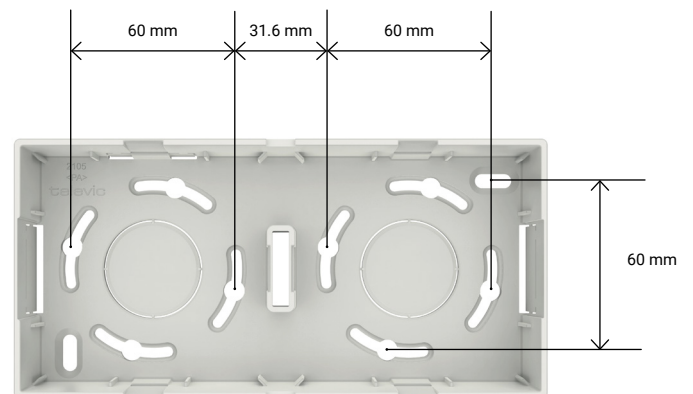
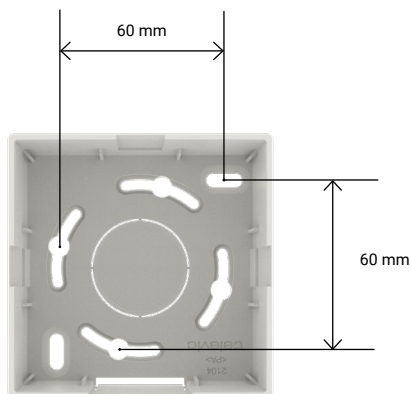
Specifications:

Dimensions (LxWxH) 182 x 91 x 30 mm

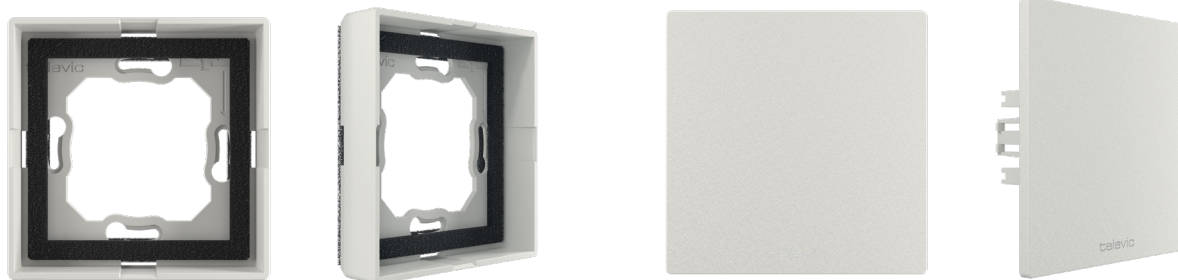
Material Color: RAL9016

Regulation CE

Mounting Surface mountable
On a wall box



AQURA accessories and spare parts



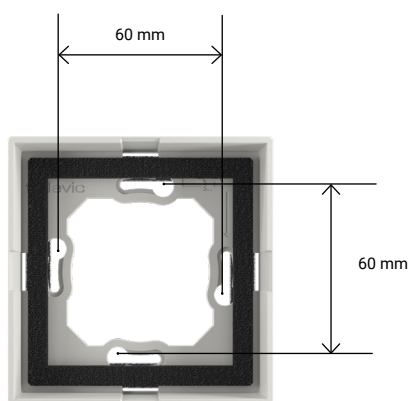
IP54 single mounting frame for units

50.09.1110 per pack (x10)

- › AQURA pull cords can be clicked directly into this mounting frame making them IP54 water and dust proof.

Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	Color: RAL9016
Regulation	RoHS
Mounting	On a wall box



Blind plate

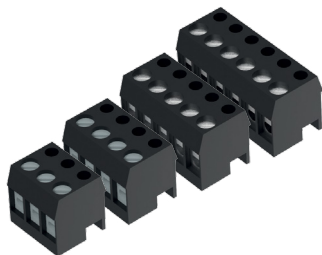
50.09.1410 per pack (x10)

- › Blind plates are used to cover a mounting frame. Compatible with all AQURA mounting frames.
- › Blind plates can be used to:
 - › Cover non used frames
 - › For future extensions
 - › To put an AQURA smart IO extender behind it
 - › To use the space behind it for wires and connections
 - › Etc.





Specifications:

Dimensions (LxWxH)	91 x 91 x 21 mm
Material	Color: RAL9016
Mounting	50.09.1010 Single mounting frame 50.09.1020 Double mounting frame 50.09.1030 Triple mounting frame 50.09.1210 Single surface mounting frame 33mm 50.09.1220 Double surface mounting frame 33mm 50.09.1110 IP54 single mounting frame for pull cord

Wired nurse call – accessories and spare parts




Screw connectors for AQURA units

	Screw connectors 3 positions per pack (x50)	50.08.1013
	Screw connectors 4 positions per pack (x50)	50.08.1014
	Screw connectors 5 positions per pack (x50)	50.08.1015
	Screw connectors 6 positions per pack (x50)	50.08.1016



Power terminal block 2 positions

	Power terminal block 2 positions per pack (x50)	50.08.1212
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Magnetic tool



Magnetic tool

50.09.0200 per piece

- › Telescopic servicing tool with a strong magnet for deploying the AQURA wired room hubs and intercom units.

Specifications:

Material	Stainless steel
Length	12,5 to 63,5 cm

GET IN TOUCH »



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