

# AALTO CONTROL WIRELESS MONITORING UNIT FOR WALL-MOUNTING

**AALTO CONTROL**® Wireless Monitoring Unit for Emergency Lighting

With Aalto Control Wireless Monitoring Unit (WMU) you can monitor and control self-contained Aalto Control luminaires, both ESCAP luminaires and luminaires with batteries. The monitoring unit, with an easy-to-use 7" touch screen and a clear user interface, is mounted permanently on the wall. Aalto Control WMU has an indoor range of 40 meters to the nearest luminaire, the same as from luminaire to other luminaires.

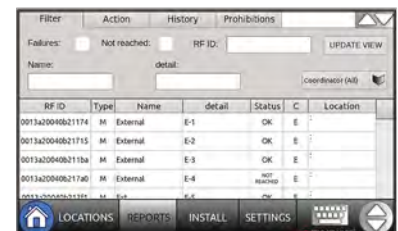
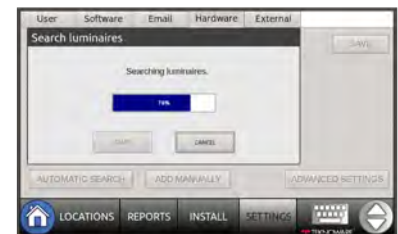
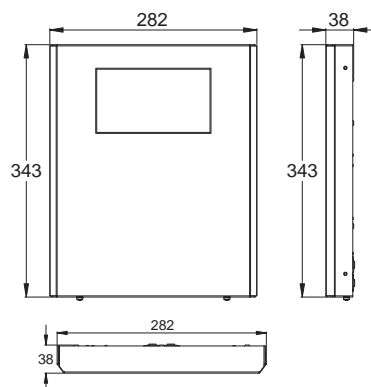
MONITOR UP 500 EXIT AND EMERGENCY LUMINAIRES

USER FRIENDLY 7" DISPLAY

WALL MOUNTED MONITORING UNIT



TST5108 DIMENSIONS



Product code	Product description
TST5108	Aalto Control WMU, Wireless Monitoring Unit (wall mounted)
TST5103	Aalto Control Wireless / Ethernet Coordinator (2-pin "Europlug"), (TST5103B=3-pin "UK-plug")
TST5105	Aalto Control Signal Amplifier (can be used if the distance between luminaires exceeds 40 m) (2-pin "Europlug"), (TST5105B=3-pin "UK-plug")

## AALTO CONTROL WMU FEATURES

- Works independently, without a separate PC or Coordinator
- Possibility to add one external Coordinator via Ethernet
- Functions on AC power, does not interfere with the electrical supply to the luminaires
- History data files of the luminaires can be stored on a USB stick
- Prohibition times can be defined for luminaire and duration time tests
- Definable and selectable levels of user access
- Saving of luminaire and location information and the test history in a database
- The relay output with indication of fault condition enables the transmission of fault information into other systems

## TECHNICAL DATA

Frequency	2,4 GHz
Transmitter power output	3,1 mW
Receiver sensitivity	-100 dBm
Indoor range	up to 40 m
Outdoor range	up to 80 m

## CERTIFICATION OF WIRELESS TECHNOLOGY

USA (FCC Part 15.247)

Industry Canada (IC)

Europe (CE) ETSI

RoHS compatible

# AALTO CONTROL WMU SYSTEM COMPONENTS

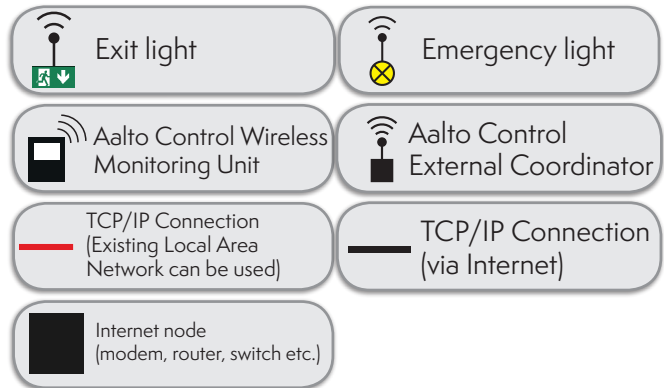
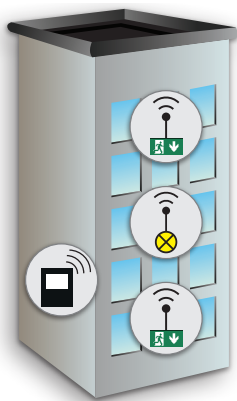


Look at the video



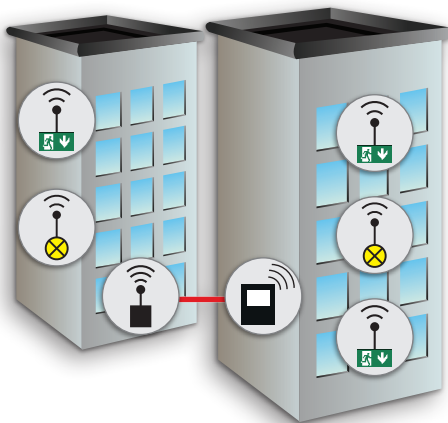
## AALTO CONTROL WMU BASIC SYSTEM LAYOUT

1



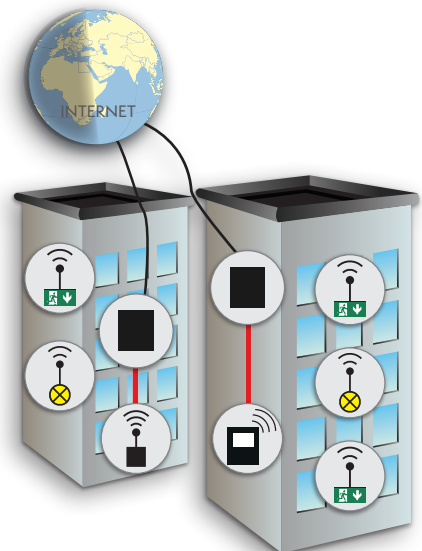
## AALTO CONTROL WMU + EXTERNAL COORDINATOR

2



## CONNECTION VIA INTERNET

3



# AALTO CONTROL WIRELESS CENTRAL MONITORING FOR SELF-CONTAINED LUMINAIRES

## AALTO CONTROL PC SYSTEM

### WIRELESS CENTRALISED REMOTE MONITORING OF SELF-CONTAINED EMERGENCY AND EXIT LIGHTS

Aalto Control remote monitoring enables the monitoring of self-contained luminaires wirelessly in a centralized manner. System does not require data cabling from one luminaire to another. Local power supply to the luminaires is enough.

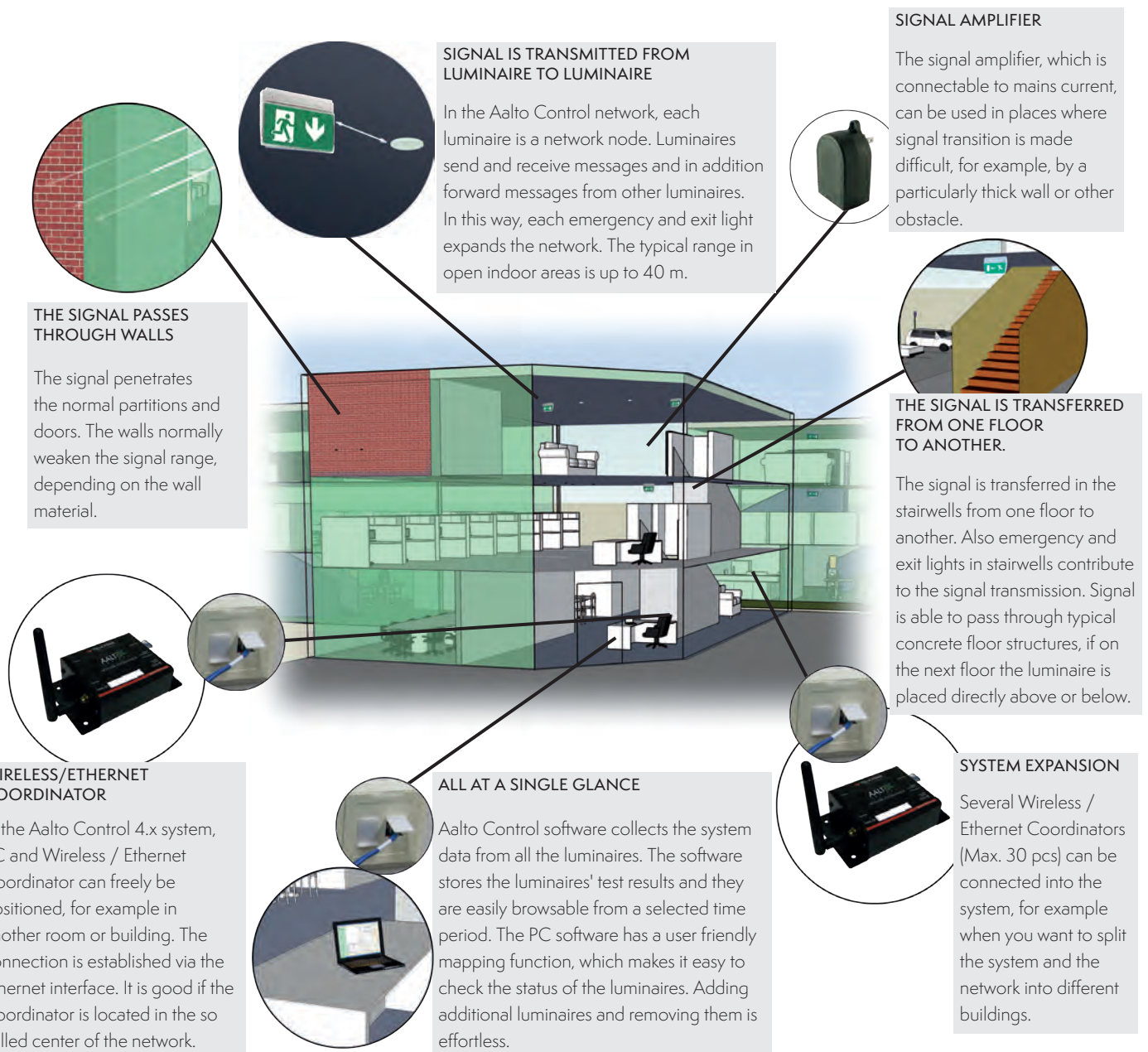
Installation is simple and luminaires can be easily positioned, even together whilst during renovations. Each luminaire

is a network node. It sends and receives messages to and from other luminaires. The signal penetrates light partition walls and doors, and moves with ease from one floor to another via stairways.

Aalto Control is very fault tolerant. It uses the network only for data collection. The network does not affect the operation of the luminaires. Aalto Control compatible luminaires have the letter A in the end

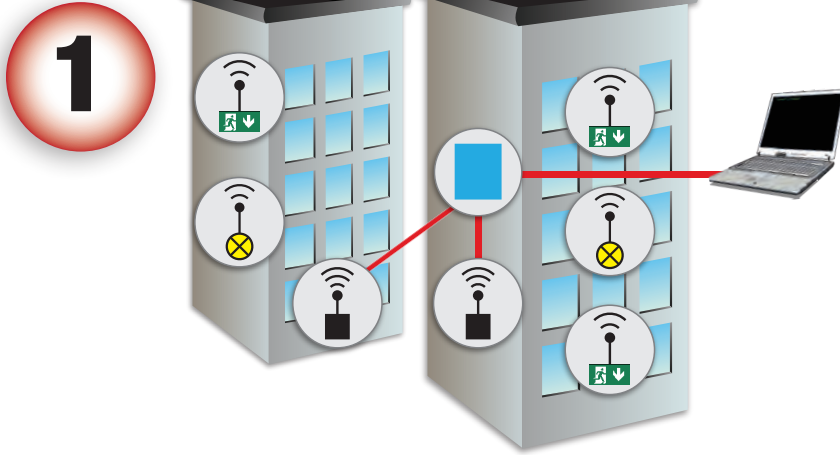
of the product code. Aalto Control luminaire always includes the Lumi Test self testing feature. Up to a maximum of 800 luminaires per coordinator can be connected into one system.

Aalto Control 4.x PC software and the system allows for several different coordinators and networks to be added into single Aalto Control system.

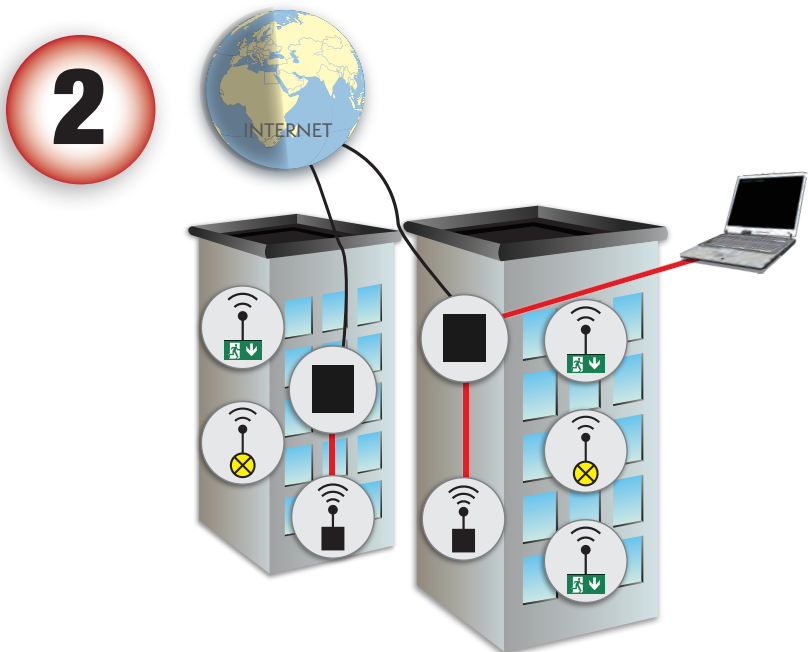


# AALTO CONTROL PC SYSTEM LAYOUT

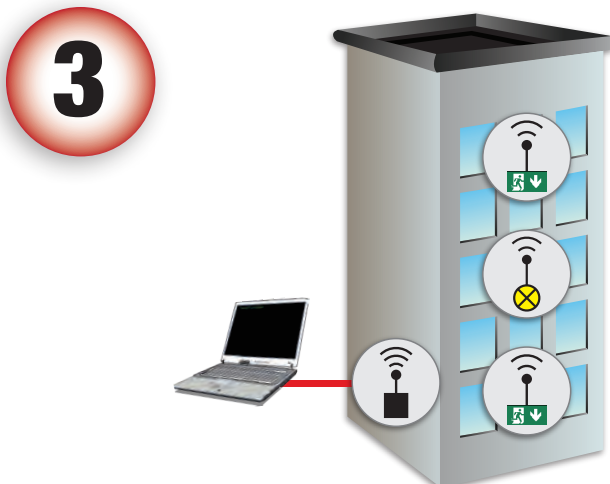
TYPICAL AALTO CONTROL PC SYSTEM











VIA INTERNET TO THE AALTO CONTROL PC SYSTEM



COORDINATOR DIRECTLY TO THE PC

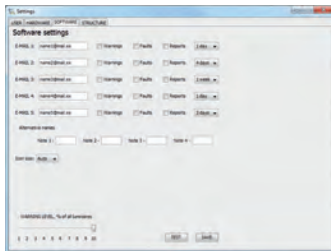


-  Exit light
-  Emergency light
-  Aalto Control External Coordinator
-  PC
-  TCP/IP Connection  
(Existing Local Area Network can be used)
-  TCP/IP Connection  
(via Internet)
-  Internet node  
(modem, router, switch etc.)
-  Switch / Router

# AALTO CONTROL PC SYSTEM FEATURES

## Aalto Control 4.x PC System features

- Up to 5,000 luminaires in the system
- Max 800 luminaires per Coordinator
- Centralized remote management of several Aalto Control Wireless / Ethernet Coordinators, from one location
- The system can be decentralized into different sections, e.g. in different buildings
- The system components can be freely positioned in Ethernet network
- Wider operating range using Signal Amplifiers in challenging locations
- Renewed graphical layout
- Improved user interface
- Display of luminaire data with RFID code, luminaire's name, location, or freely selectable text fields
- Detailed information about the luminaires is displayed on the layout drawing, by using the mouseover function
- Input of the luminaire data from a CSV file, manually, using a barcode reader or the automatic search function



Aalto Control PC software

Khalifa Port (harbour), Abu Dhabi, United Arab Emirates



**AALTO**®  
CONTROL PC SYSTEM

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