

ALCMS ADVANCED

AIRFIELD LIGHTING CONTROL & MONITORING SYSTEM

SYSTEM OVERVIEW

S4GA ALCMS is an Airfield Lighting Control and Monitoring System designed to provide full remote control and monitoring of solar LED runway lighting from the TWR or maintenance room. S4GA ALCMS consists of Computer Interface integrated in UR-201 Control and Monitoring Unit. It features open interface for integrating with existing AGL control system.

FEATURES

- Custom Airfield Layout
- Individual Light Status Display
- Custom Grouping of Lights
- 5-step Light Intensity Setup
- Operating Mode Setup

CONTROL

- Grouping of entire airfield lighting in major groups
- Control of entire lighting system and groups of lights
- Individual control of separate taxiways
- 5-step intensity level setup for a particular group of lights
- Operating modes setup: flashing, dusk-till-dawn, pilot-activated, GSM-activated
- Timer setup (for pilot-activated and GSM-activated modes)

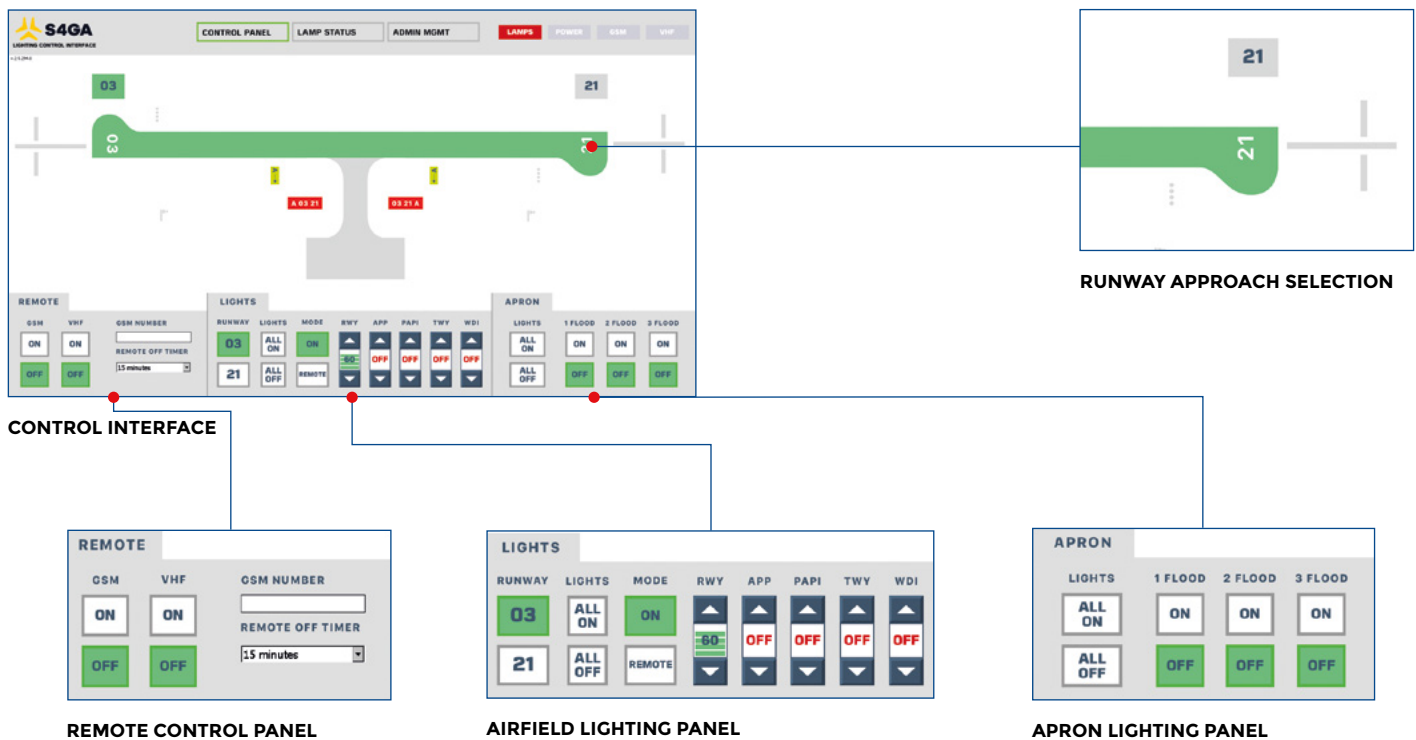


+ HARDWARE

ALCMS Advanced is designed for airports with advanced AGL system (including multiple taxiways, approach lighting, temporarily closed areas). This type computer interface has advanced features like customized airfield layout and more detailed grouping of lights (e.g. control of separate taxiways).

• Real-time monitoring	YES
• Automatic failure alarm	YES
• Operating mode setup	YES
• Individual light status indication	YES
• Grouping of airfield lights	3+
• Light intensity steps	5
• Separate taxiways control	YES
• Airfield layout	YES

For airports with simple runway lighting system (runway edge, threshold and one taxiway), S4GA offers **ALCMS Basic**.



MONITORING

- Real-time individual light status monitoring: battery level, lamp status, connection status, charging speed, temperature, charging efficiency of solar panel
- Monitoring of UR-201 Control Module: GSM signal strength, back-up battery level, power connection
- Immediate light failure detection and report: light unavailable, critical battery level
- Color indication of current light status:

RED

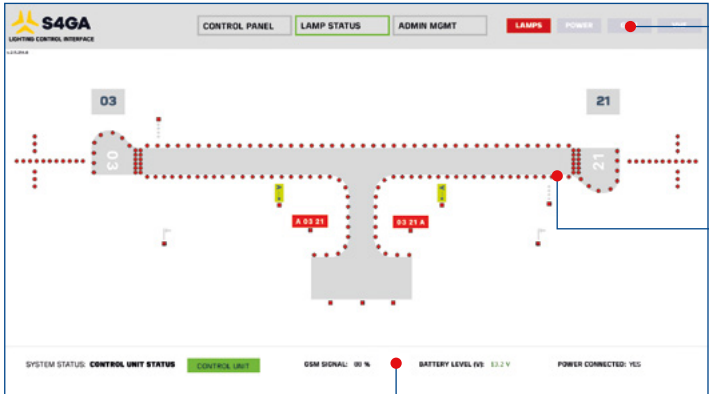
LAMP IS OFFLINE

AMBER

THE BATTERY LEVEL IS BELOW 30%

GREY

THE UNIT IS 100% OPERATIONAL



MONITORING INTERFACE

GSM SIGNAL: 88 % BATTERY LEVEL (V): 13.2 V POWER CONNECTED: YES

UR-201 CONTROL UNIT STATUS

MONITORED AREAS STATUS

LAMPS POWER GSM VHF

Individual Light Status

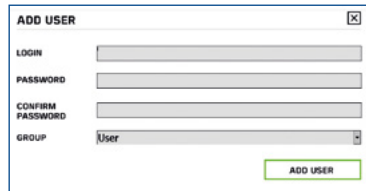
Lamp 47 0013A200415A6D51

Status: Not available
 Connection: offline
 Illuminate: n/a
 Battery: n/a
 Charging speed: -
 Solar out lvl: 0 %
 Temperature: n/a
 Last updated: n/a

INDIVIDUAL LIGHT STATUS

ADMIN MANAGEMENT

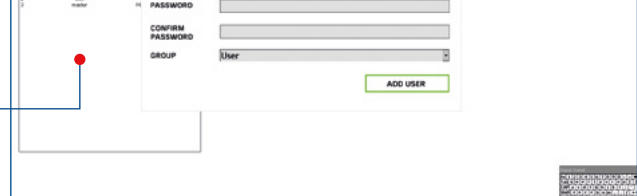
- Adding, editing and deleting users
- Setting/changing passwords
- 3 levels of access: Master, Admin, User



ADDING, EDITING, DELETING USER

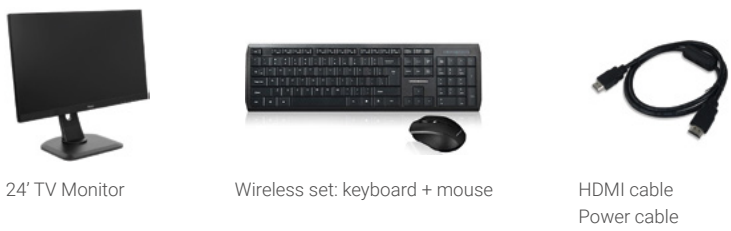
USER NO.	USER NAME	GROUP
1	admin	Admin
2	test	User
3	master	Master Admin

LEVELS OF ACCESS



ADMIN INTERFACE

ACCESSORIES INCLUDED




24' TV Monitor

Wireless set: keyboard + mouse

HDMI cable
Power cable

ALCMS ADVANCED
OBLIGATORY REQUIRES
UR-201 TO BE SUPPLIED.



+ HARDWARE

SHIPPING DATA

Item	Dimensions of Package (LxWxH)	Gross Weight
ALCMS Set (24' screen, cables, keyboard, mouse)	620 mm x 205 mm x 460 mm	10 kg