UR-201 CONTROL AND MONITORING UNIT

**HARDWARE OF ALCMS**

**FEATURES**
- Airfield Lighting Control Panel
- Automatic Failure Alarm via SMS
- Remote Activation of Airfield Lighting (via SMS, via VHF)
- Remote Airfield Lighting Diagnostics

**CE COMPLIANCE**
- 2014/35/UE
- 2014/30/UE
- 2011/65/UE

UR-201 Control & Monitoring Unit is a hardware element of S4GA ALCMS. It is designed to provide User with ability to remotely control and monitor S4GA Solar LED Runway Lighting.

UR-201 Unit can be optionally equipped with computer-based ALCMS offering real-time individual light monitoring (check ALCMS Basic, ALCMS Advanced product brochures).
TECHNICAL SPECIFICATIONS

Control & Monitoring
Adjust lighting intensity: Yes
Select operating mode: Yes
Remote monitoring of the SP-401 unit(s) key parameters: Yes
Automatic failure alarm (via SMS): Battery level of any lighting unit drops below 30%
Any lighting unit stops responding to UR-201
Power supply of UR-201 Units stops

Communication between Remote Control Unit and the Lights
Type: Wireless
Operating Range: Up to 1,500 meters
Radio transceiver (frequency/power output): 868 MHz, 16 mW
External antenna: Yes

External Switches
On / Off: Yes
Light intensity: Yes (3 for each group)
Operating mode: Yes (3 for each group)
Timer: Yes
Remote: Yes

Power Source
Primary power source: 90 ~ 240 VAC
Back-up power source: Battery 18Ah, 12V
Back-up battery operating time: 24 hrs

Remote Activation
VHF (pilot radio): Yes
GSM (cell phone): Yes

GSM Receiver
Receiver frequency: 900, 1800 Mhz
Recommended antenna: Outdoor / external
Operating mode: Gain: 2dB, VSWR <1.8
Polarization: vertical
External antenna connection type: SMA
Sim-card: GSM provider is selected and supplied by the User according to the network coverage on site

VHF Scanner
Receiver frequency: 900, 1800 Mhz
Operation frequency: Programmable by S4GA
Transmission frequency: Scanner does not transmit signal
External antenna connection type: UC1, BNC
Recommended antenna: Base / outdoor
Base antenna radio characteristics: Maximum power: 100W FM
Wind resistance: 60m/s
Base antenna signal cable: RF10, 10,3 mm diameter

Casing
UV resistance: Yes
Material: Powder coated steel
Operating Temperature: -20 / + 50 Degrees Celsius
Color: Aviation yellow

Lighting Protection
Separate lightning arrester: Yes
Lightning arrester grounding: Yes

External Ports
VHF antenna: Yes
Lighting system antenna: Yes
GSM antenna: Yes
USB: Yes
HDMI: Yes

ON/OFF BUTTON
OPERATING MODE
LIGHT INTENSITY
REMOTE ACTIVATION
TIMER

ACCESSORIES INCLUDED
• VHF cable, length 10 m
• 868 MHz cable, length 10 m

CABLES

ANTENNAS
• 868 MHz antenna
• GSM Antenna 3G/4G
• VHF antenna comet AB380

SHIPPING DATA

<table>
<thead>
<tr>
<th>Item</th>
<th>Dimensions of Package (LxWxH)</th>
<th>Gross Weight</th>
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</thead>
<tbody>
<tr>
<td>UR-201 Unit</td>
<td>650 mm x 510 mm x 350 mm</td>
<td>18 kg</td>
</tr>
<tr>
<td>Accessories (cables,</td>
<td>1500 mm x 100 mm x 20 mm</td>
<td>8 kg</td>
</tr>
<tr>
<td>antennas)</td>
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