



# Universal Redundancy System BUC Controller

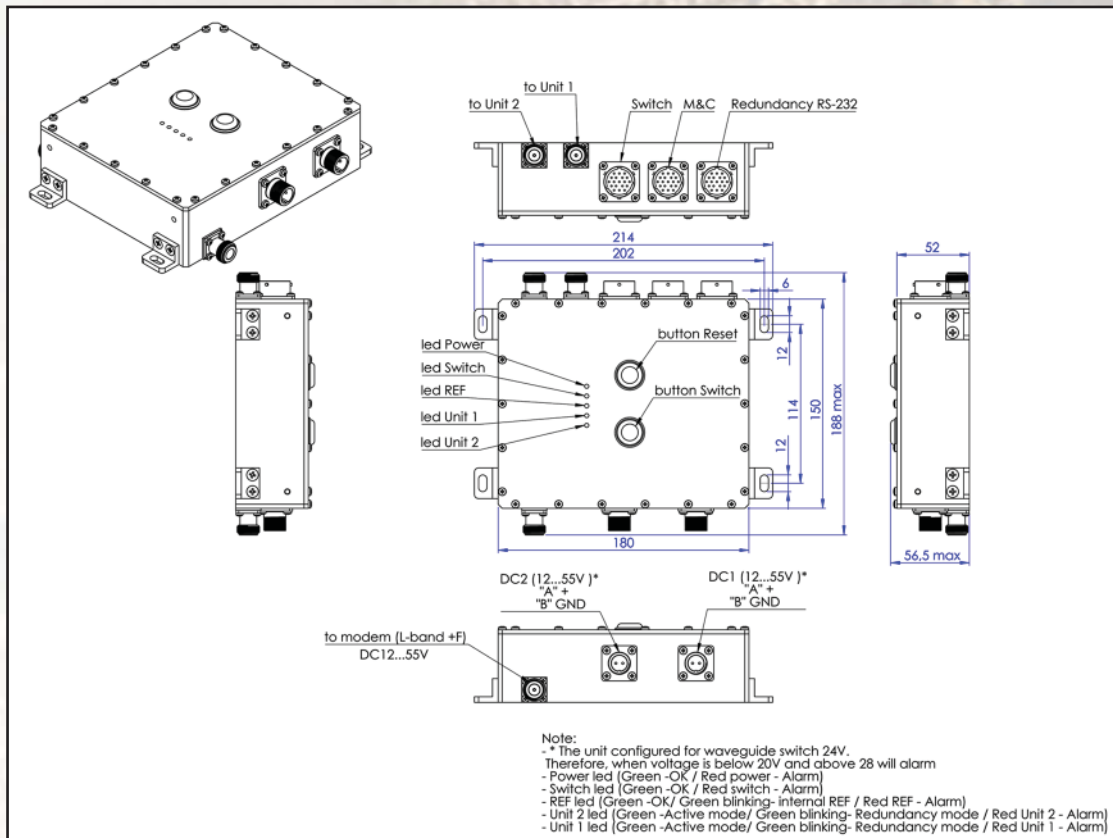
## KEY FEATURES

- ◆ Ku, C, Ka or X-Band source 1:1 redundant system
- ◆ Fault detection, 20-50 msec
- ◆ Total switchover, 100 msec max.
- ◆ Passing DC and 10MHz from a modem and allows to connect an external power
- ◆ Internal switchable high stability ( $10^{-8}$ ) 10MHz reference (optional)
- ◆ Field-exchangeable IF connector
- ◆ Manual and automatic operation
- ◆ IP67 standard rating
- ◆ Redundant external power (12 - 55 VDC)
- ◆ Insertion loss less than 4dB
- ◆ L-Band frequency range 950-2150 MHz
- ◆ "Hidden" protective control buttons (optional)

## ACBU011 / ACBU011R



## Mechanical Drawing





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## TECHNICAL SPECIFICATIONS

<b>Waveguide switch type</b>	WR-137/WR-229 WR-75 WR-28 WR-112	
<b>Switch time</b>	Fault detection, 20 - 50 msec Total switchover, 100 msec max.	
<b>Switch drive</b>	12 - 24 VDC (Depends on waveguide switch)	
<b>Alarm input</b>	Closure to ground, (ground=fault / open=OK)	
<b>Serial communication</b>	RS-232: RS-422: RS-485 - Ethernet optional	
<b>Protocol</b>	RS-232 port supports any "dumb terminal" or ASCII interface	
<b>DC input power</b>	12 - 55 VDC	
<b>Signal configuration</b>	IF and Ref - splitter to BUC-A and BUC-B	
<b>BUC M&amp;C interface</b>	BUC A and B - splitter: RS-232 or RS-485 4-wire	
<b>Mode</b>	Manual / Auto	
<b>LED indicators</b>	<b>GREEN LED's</b> <b>RED LED's</b>	Indicate switch position Indicate active alarms
<b>Dimensions &amp; housing</b>	214 (L) x 188 (W) x 56.5 (H) mm 8.4" (L) x 7.4" (W) x 2.2" (H)	
<b>Weight</b>	2.6 kg (5.7lbs) max.	

