ALLGON SYSTEM AB

COMPACT repeater with adjustable bandwidth 800 MHz version, iDEN

1. Electrical specification

			Remark
Frequency tuning band Up link	806 – 824	MHz	
Frequency tuning band Down link	851 – 869	MHz	
Filter bandwidth standard, adjustable	0.5 – 19	MHz	
Filter setting resolution	12.5	kHz	
Duplex spacing	45	MHz	
Gain adjustment range	55-70	dB	
Gain step resolution	1	dB	
Out of band gain @ 400 KHz off-set	50	dB	
Out of band gain @ 600 KHz off-set	40	dB	
Out of band gain @ 1 MHz off-set	35	dB	
Output power, PEP	> + 30	dBm	
Max absolute group delay	6	µs	
Noise figure at 65 dB gain, 25° C	7	dB	
Maximum input power Typical input power –40dBm	+13	dBm	
Receiver input port return loss	14	dB	
RF-connectors	N-type female		
Power supply voltage	85 - 265	VAC	
Power consumption	55	W	

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2. Environmental specification

Temperature range	-13 to + 131	F
Temperature range	-25 to + 55	°C
Casing class	NEMA4/IP65	
MTBF	50000	Hours

3. Mechanical specification

Dimensions. (W x H x D)	15.2 x 15.2 x 4.3	Inches
Dimensions. (W x H x D)	385 x 385 x 110	mm
Weight	< 22	lbs
Weight	< 10	kg
Lock type	Allgon Safety bolts	

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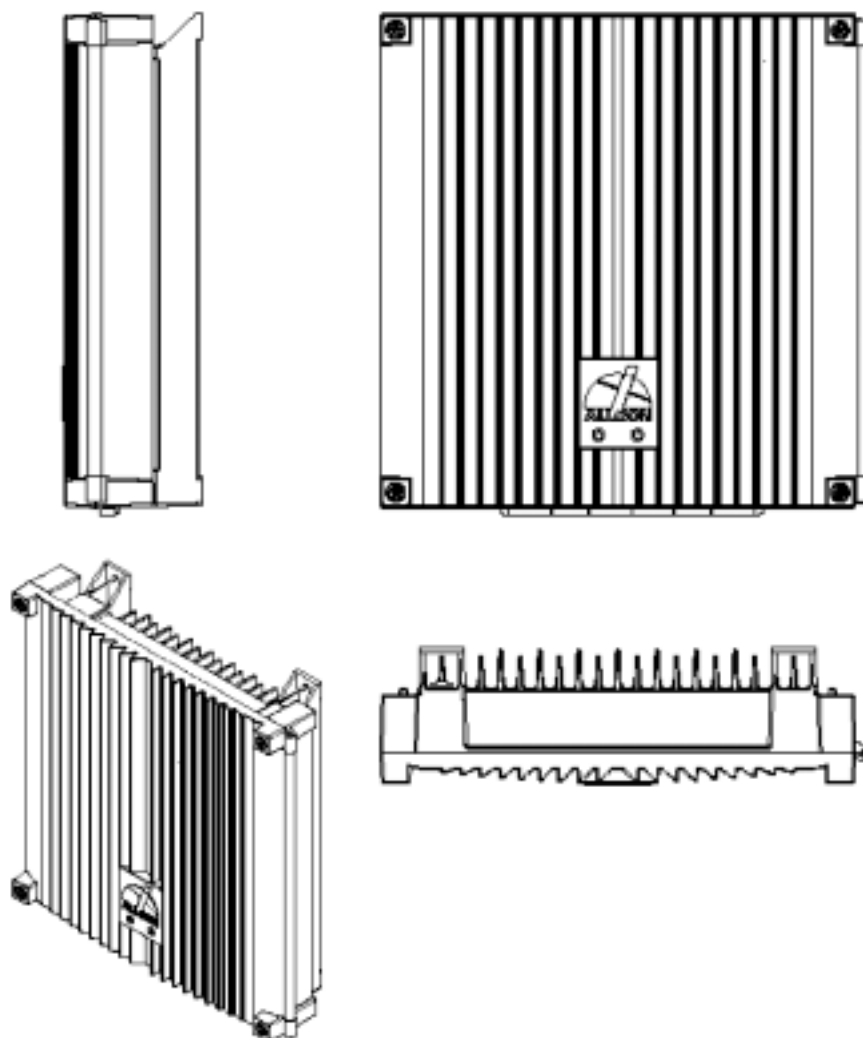
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PRODUCT SPECIFICATION			123424		

4. Options and facilities
- Fiber Optic Unit (FOU)
- Remote Communication Control (RCC) for wireless connection (TBD)
- Battery Back-Up (BBU) with either 25 or 50 Ah battery capacity
- Operation and Maintenance System (OMS)
- Dual band
- Repeater to Repeater (R2R) multi drop link for data communication between all type of Allgon repeaters
- Compatible with OMT and OMS software

5. Operation
Set-up and control of the repeater via an OMT (Operation & Maintenance Terminal) software
- PC locally connected via RS232
- PC remotely connected via modem (optional RCC-kit is required)

7. Software requirements
The OMT software package requires at least:
- Windows 95, 98 or NT version 4.0 or higher
- 8 MB of RAM (16 is recommended)
- 4 MB free hard disk space

10. Declaration of conformity
- UL   TBD
- UL   TBD
- FCC   TBD