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Simplifying RF Solutions

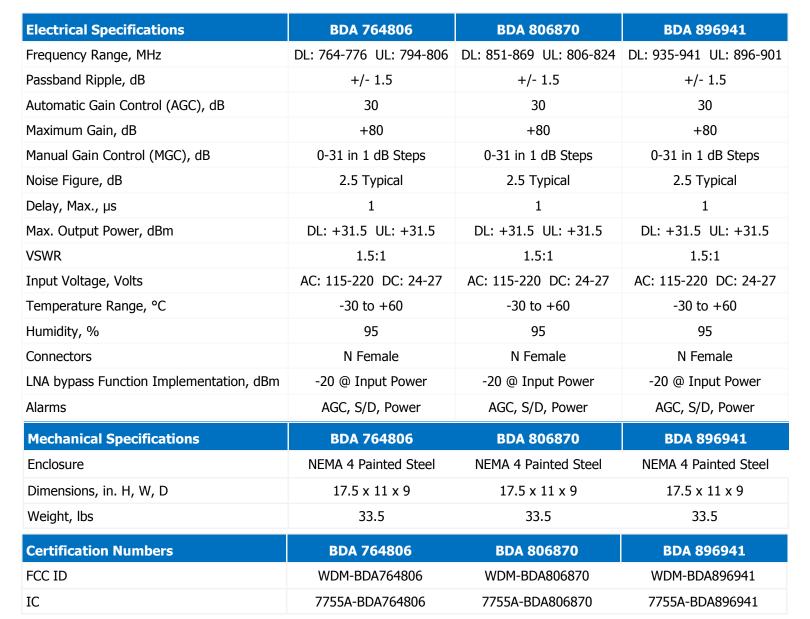
IN-BUILDING SYSTEMS

BI-DIRECTIONAL AMPLIFIER (BDA)

BDA-40-SERIES

Designed and engineered to meet the fire protection codes (NFPA and IFC standards), our Bi-Directional Amplifier (BDA) features advanced Alarm, Monitoring & Control capabilities ensuring continuous availability of mission-critical services. Certified: FCC and IC.

- Available in 700, 800 and 900 MHz Public Safety bands
- Ideal for indoor applications in commercial and government buildings, parking garages, mining facilities, subway stations and tunnels
- Rack mounted or in NEMA 4/4x waterproof, stainless steel enclosures
- Low noise figure, wide dynamic range
- Visual alarms and remote failure monitoring with Graphical User Interface





764-941 MHz

IN-BUILDING SYSTEMS

BI-DIRECTIONAL AMPLIFIER (BDA)

Four Dry Contact Alarms:							
Donor Antenna Alarm	AC Current Alarm		DC Current Alarm		RF System Alarm		
 Antenna disconnected Antenna open circuit 	- AC Power failure (Can run on DC source)	- DC Power failure		- Shutdown of RF System: - Overheating - Power over limit - VGA malfunction - Other failures			
Relay Shown in Non-Alarm Condition. A kit of the connector with labeled		Pin	Description	Pin	Description		
wires is supplied with the unit.		1	NC DC Relay	9	NO RF System Failure Relay		
		2	COM DC Relay	10	NC AC Relay		
Non Alarm Condition		3	NO DC Relay	11	COM AC Relay		
(N.O.)		4		12	NO AC Relay		
Common		5		13			
(N.C.)		6		14	NC Antenna Relay		
<u> </u>		7	NC RF System Failure Relay	15	COM Antenna Relay		
 Trigger		8	COM RF System Failure Relay	16	NO Antenna Relay		

Monitoring and Control via Built-in via RS-232 Connector (USB Optional)							
Monitor		Aları	n	Control			
 TX/RX System Gain TX/RX Attenuation TX Input Power TX/RX Output Power DC Voltage/Current System Temperature 		- TX Input Over Power - TX/RX Output Over Power - AGC Range Alarm - TX/RX Shutdown - PSU Alarm - Over Temperature		- HPA On/Off - Gain - AGC On/Off - Shutdown On/Off - MCU Reset - Alarm Limit			
Constraints & Control Environment Download	Onliforing Classification Input Power (dBm) Output Power (dBm) Gain (dB) AGC (User) Atten (dB) AGC Level (dBm) AGC Window (dB) mcc Enable / Offset (dB) ASD Level (dBm) ASD Time (min) / Count AGC Enable HPA OFF Case HPA Enable Over TEMP' Level('C)	DL UL -43.5 23.8 28.4 23.8 63.5 80.0 16.5 2 27 2 28 2 27 2 28 2 27 2 28 2 29 2 20 2 21 2 22 2 233 33 33 3 0 3 0 3 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Alarm DL Over Input DL Over Input DL Over Power DL AGC Range DL Shutdown UL Over Power UL AGC Range UL Shutdown PSU Fail Over Temp Door <u>System</u> DC Voltage (Y) <u>28.00</u> Current (A) 1.07	Visual Alarms and Remote Failure Monitoring with Graphical User Interface			

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Tel: US 1.877.825.2007 / CAN 1.800.603.1454 Email: sales@comprodcom.com Fax: 1.800.554.1033

FW Build : 15.09.11

764-941 MHz