3400 BOSS Series

SmartCommand Two-Way Communication (Area of Refuge)

RATH
by AVIRE

The "Brains" of the SmartCommand System.

- Centrally configures call boxes, including text-to-speech announcements and address settings.
- Redirects calls up to two emergency phone numbers via a dedicated phone line.
- Powers the Call Commander and all connected call boxes.
- Supervises power, phone line status, and call box integrity.
- Compatible with most alarm and fire panels.
- Includes relay outputs for system faults and activations.

Specifications

	SmartCommand BOSS - 3400	SmartCommand BOSS 3400-128
Maximum Number of Call Boxes	32	128
External Phone Lines	1	2
Daisy Chain Loops	2	4
Wiring Limitation Total Loop Length	4750 ft	
Wiring Limitations Between Call Boxes	950 ft	
Wiring Limitations to Call Commander	900 ft	
Wiring	All loop connections: 18 AWG 2 pair cable system (RP7500094B) or 2 hour fire-rated (#66102 - 550 ft. or #66120 - 1000 ft.) IO ports to battery. 2 single pair battery, 3 wire if going to fire system (not provided). PSTN (external line) - 1 pair cable system	
Power Consumption	10 W (1 call box) 27 W (32 call box) 74 W (128 call box)	
Supply Voltages	120V 60 Hz VAC	
SPDT Relay Contact Rating	16A at 250 VAC / 24 VDC, 0.3A at 300 VDC	
Opto-isolated Input Rating	12 V - 230 V (AC & DC)	
Backup Requirements	Battery backup (RATH part #1000) Standby - 24 hours minimum; Active talk time - 5 minutes	

Specifications Continued

	Smart Command BOSS - 3400 Smart Command BOSS 3400-128
Connections	**Call Commander L1A:** 4-pin 5.08 mm pluggable terminal block **Call Box:** 4-pin 5.08 mm pluggable terminal block **External line:** 2-pin 5.08 mm pluggable terminal block **Power:** 3-pin female connector EC C13 **Opto-Isolated Inputs:** 2-pin 5.08 mm pluggable terminal block **Relay Outputs:** 3-pin 5.08 mm pluggable terminal block **Configuration:** USB type B
Supervision	Primary power | Secondary power | Telephone line | Loop monitoring
Code Compliance	UL 2525, NFPA 72 2022, NFPA 101 2024, IBC/IFC 2024 and ADA
Dimensions	17.20" W x 12.59" D x 3.46" H (437 mm x 320 mm x 88 mm)
Material	Powder-coated steel
Weight	10.28 lbs
Mounting	Surface Mount, Wall Mount (brackets included), or Rack Mount (brackets included, fits standard 19" network rack)
Environmental	23°F to 131°F (-5°C to 55°C), 5-95% humidity
Programming Requirements	Requires a laptop to program (USB type B cable included)
Warranty	2 years

Compatible with SmartCommand System Components:
3200 Call Commander Series, 3300 Call Boxes, and 1000 Uninterruptible Power Supply

Diagram

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