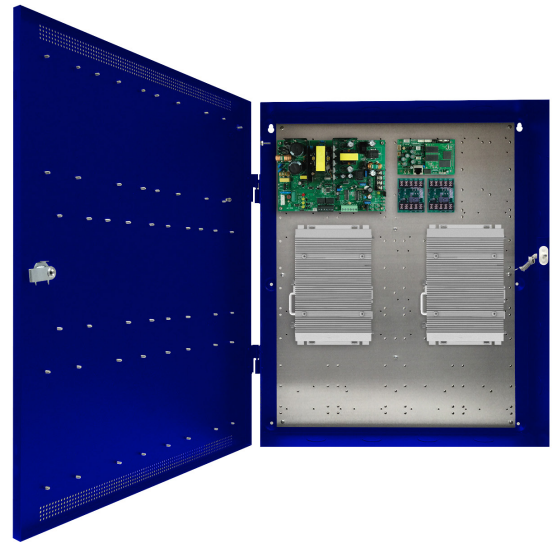# BluCHIP DDE16DP-E4M1

BluCHIP Destination Dispatch Elevator Dual Processor Kit for up to 16 Elevator Cars

The BluCHIP DDE12DP-E4M1 is a Destination Dispatch Elevator Dual Processor Kit that supports up to 12 or more elevator cars. The dual processors provide a warm standby in the event of DDE processor hardware failure. The kit is configured with space to add backup battery and utilizes an FPO power supply to generate 12 or 24VDC. The kit includes BluSKY Destination Dispatch Elevator Software for for up to 16 elevator cars, dual industrial BluCHIP DDE Processors, a locking enclosure with tamper and power supply with remote power monitoring and management. All Destination Dispatch Elevator installations require BluCARE DDE Support Professional

System Features

FPO offline power supply
- 120 or 230 VAC input
- 12 and 24 VDC outputs
- On board Fire Alarm Interface
- Continuous and resettable DC

Distributed output module
- Four, controlled fused at 3A each
- Eight, auxiliary Class II P limited at 2.5A each

Expansion options
- Increased power, multiple voltages
- Additional distribution outputs
- Power management

Enclosure Features

Labor saving design
- Unified power and security in one enclosure
- Pre-wired power section
- Removeable backplate simplifies installs
- Speed kit is included for power and data wiring
- Includes mounting studs on door to add additional I/O boards

Additional benefits
- Wire management room
- 4.5" enclosure depth fits battery set
- Tamper switch, lock, dual key set standard
- Mounting hardware for access boards included

Specifications

Input Power:
- Input 120/230VAC 50/60Hz | 200 Watts
- Overload and short circuit protection
- Over temperature protection
- Polarized AC power supply disconnect

Output Power:
- 150W Total Output Power | 12VDC/12A or 24VDC/6A
- FPO Board Outputs: Continuous (DC1), Resettable (DC2)
- 120mV Output Voltage Ripple | System Efficiency: 88% | System BTU Rating: 66 BTU/Hr

Battery Charging:
- Independent built-in 2A (FPO150) Charger for sealed lead-acid or gel type batteries
- Microprocessor dual rate charging of 12 or 24V battery sets
- Automatic switchover to standby battery when AC fails
- Zero voltage drop when switched over to battery backup

Power and Enclosure Regulatory Compliance:
- UL294, UL603, UL864, UL1076, UL1481, UL2044, UL2572, ULC S318, ULC S319, ULC S527
- CSA C22.2 #107.1, FCC Part 15, CSFM Approved

DDE Processor Regulatory Compliance:
- EMC: CE/FCC Class A, CCC, BSMI
- Safety: UL, CCC, BSMI, CB

Destination Dispatch Elevator Processor:
- xxxx

Size and Weight:
- 24.00"H x 20.00"W x 4.50"D | 41 lbs.

Recommended board layout

Kit Includes

MFG Part #	BluBØX Order #	QTY	Description
815-5015	815-5015	1	BluSKY DDE Software License for up to 16 Cars
ARK-1550	461-1200	2	Destination Dispatch Elevator Processor
FPO150-E4M1	670-1390	1	LifeSafety Power: Single voltage power supply, includes enclosure
NL2	670-2000	1	LifeSafety Power: Remote Power Monitoring & Management Module for up to 2 FPO devices

Professional Services

MFG Part #	BluBØX Order #	QTY	Description
800-5125	800-5125	1	BluCARE DDE Support

Ordering Information

BluBØX Order #	Description
770-2015	BluCHIP Destination Dispatch Elevator Dual Processor Kit for up to 16 Elevator Cars

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