

EC21™

Dimming for the 21st Century

Features

- 24, 36 and 48 module racks with lockable EasyView™ steel doors
- Plug-in Modular Dimmer System
- Advanced technology processor features a built-in Ethernet input port. An optional plug-in Ethernet switch is available to link multiple racks
- European DIN Standard breakers
- Optional RCD per circuit
- Ample wire chamber for ease of installation and to accommodate oversized load wiring
- Fault beacon for easy notification of faults
- Web Browser configuration
- Built in Architectural Control
- 128 Back up Presets
- DMX input with patch
- Dual Processor option with full tracking back up available
- Emergency Rack Panic feature (hardwired for security of local or remote control)
- Dual 3kW and 5kW TrueSine™ Sinewave Dimmer Modules
- Dual 3kW and 5kW Thyristor Dimmer Modules with 200µs or 400µs filter chokes
- Maximum 144 x 2.5kW dimmers in a cabinet using high-density quad modules
- Contactor and Fluorescent modules available to control a wide range of loads
- Sinewave and Thyristor modules may be mixed in the same rack
- Optional Amp traps for full 100,000 AIC fault current rating
- CE marked



Single and Dual Electronics are available for control of up to 144 dimmers

SPECIFICATION SUBMITTAL

CONSULTANT <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER QUANTITY: <input type="text"/> <input type="text"/>
DATE: <input type="text"/>	PROJECT NUMBER: <input type="text"/>	APPROVED BY: <input type="text"/>

Strand Dimming Systems

The EC21 Dimming system represents premium performance and high value for all levels of users. Designed to interface directly with Strand Lighting's ShowNet Ethernet or ACN control system, the EC21 system includes an Ethernet port and an optional integral 4 port switch and a wide range of inputs. Two DMX inputs are standard with the second input available for use as an RS485 port to support our Out-

look architectural system and 128 System WideControl back-up presets. All Outlook and System Wide Control presets have individual fade times.

All Thyristor dimmers feature high-performance chokes and two levels of rise time filtering. The latest technology TrueSine™ Sinewave dimmers are available in dual 3kW and 5kW dimmer modules. Sinewave dimmers provide silent loads with virtually

no harmonic content. The EC21 system may be fully populated with dual Sinewave dimmers or mixed with Thyristor dimmers in the same rack offering best value.

EC21 Dimming systems feature a universal 24, 36 and 48-module rack design that provides support for 90-260 volt operation and is CE marked, meeting a wide range of regulatory requirements within a single rack.

Technical Specifications

Supply Voltage 90-260 volts, 3 phase
up to 800 amps.

Standards Compliance

EMC emissions to EN50081-1,
EN55014; EMC immunity to
EN50082-1, IEC1000-2-2;
Safety: EN60950, EN60439 Part 1
(also part 12 BS5486); design & build:
ISO9000, UL1950

The rack shall be CE marked.

Mechanical Data

Construction Formed steel assembly

Weight

48-module rack: 223kg (296kg packed)
36-module rack: 202kg (198kg packed)
24-module rack: 181kg (198kg packed)

Dimensions (HxWxD)

48-module rack: 2032 x 623 x 660mm
36-module rack: 1727 x 623 x 660mm
24-module rack: 1448 x 623 x 660mm

Connections Ethernet CAT 5- RJ 45

DMX Inputs 2 DMX Inputs standard 2nd input available
for use as RS485 to support the Strand
Vision.net architectural control system.

Ordering Information

Cat No Description

776502/230	EC21 Rack/48 Modules	76695-0001	EC21 Integrated Ethernet Switch
76503/230	EC21 Rack/48 Modules (with Amp traps)	76695-0003	EC21 Rack Processor for additional Architectural Power Supply Kit (i.e for more than two Outlook panels)
76542/230	EC21 Rack/36 Modules	76533 EC21	19" Equipment Rack (48-module height, 42U)
76543/230	EC21 Rack/36 Modules (with Amp traps)	76535 EC21	19" Equipment Rack (36-module height, 36U)
76512/230	EC21 Rack/24 Modules	76534 EC21	19" Equipment Rack (24-module height, 30U)
76513/230	EC21 Rack/24 Modules (with Amp traps)		
76520-xxxx	EC21 96-Output Rack Processor (specify single or dual processor required)		

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