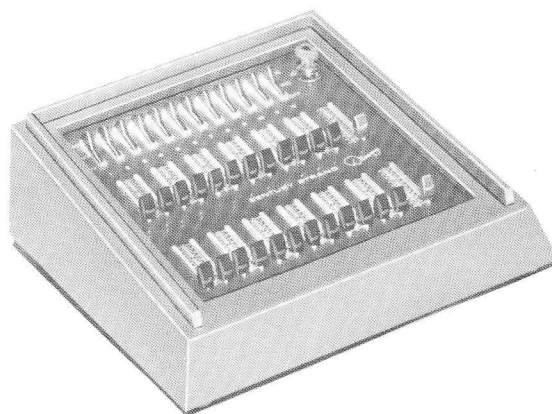


DIMMY®

8000 series STRAND CENTURY

A modular, portable, low cost dimming and control system.

- Furnished complete with all electrical and mounting accessories.
- A variety of control consoles and dimmer packs to meet any load and use requirement.
- Fulfills requirements for a portable system with 6 or 12 dimmers, 1 scene or 2 scenes.



DIMMY® DIMMER PACKS

Cat. No.	Description
8241	6 – 2.4 kw Dimmers – 20A Twistlock
8242	6 – 2.4 kw Dimmers – 15A Duplex Twistlock
8243	6 – 2.4 kw Dimmers – 20A Duplex Pin Connector
8244	6 – 2.4 kw Plug-in Dimmers – 20A Twistlock
8245	6 – 2.4 kw Plug-in Dimmers – 15A Duplex Twistlock
8246	6 – 2.4 kw Plug-in Dimmers – 20A Duplex Pin Connector
8025	25' (7.6m) Control Cable (Order one per dimmer pack)

DIMMY® CONTROL CONSOLES

Cat. No.	Description
8061	6-Channel 1-Scene
8062	6-Channel 2-Scene
8121	12-Channel 1-Scene
8122	12-Channel 2-Scene

DIMMY® MODULAR ACCESSORIES – For permanent or semi-permanent mounting.

Cat. No.	Description
8302	Box with Female Control Receptacle for Remote Control
8303	Box with Male Control Receptacle for Remote Control
8304	Box with Power Receptacle 1 phase 3W
8305	Power Plug and 6' (1.8m) Cable 1 phase 3W
8306	Box with Power Receptacle 3 phase 4W
8307	Power Plug and 6' (1.8m) Cable 3 phase 4W
8311	Mounting Brackets with Plug-in Wireway for Dimmer Pack
8313	Mounting Brackets only, for Dimmer Pack

DIMMY® PATCH PANEL

Cat. No.	Description
8048	12 Bus x 30 circuits permanently installed



**STRAND
CENTURY**

A COMPANY WITHIN THE RANK ORGANISATION

STRAND CENTURY INC.

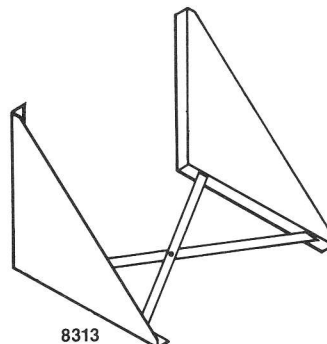
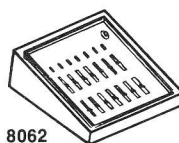
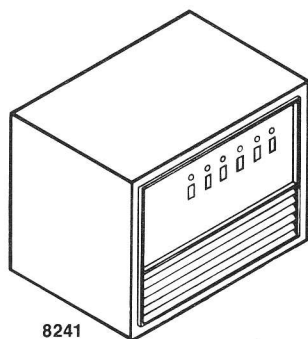
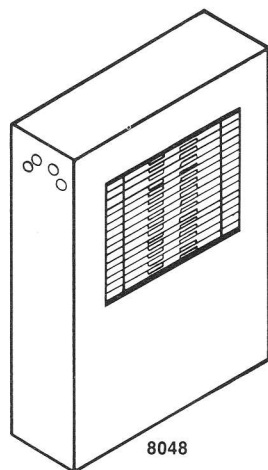
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Specifications

Dimmy lighting control systems shall be modular and portable and shall consist of one control module, one or two dimmer packs, each containing 6-2.4 kw dimmers, and one or two control cables. If required, the system shall be provided with a load cross connecting module and mounting accessories as listed in the ordering information tables.

All modules shall be completely solid state, fully self-contained and ready for operation without any auxiliary equipment other than interconnecting cables.

Nominal input shall be 120 volts 60 Hz to be supplied as either 120/240 volt 3 wire at 60 amps per leg "split phase" or 120/208 volt 4 wire at 40 amps per leg "three phase wye". Adaptability to handle either input shall be an integral part of the system without extra parts being required.

The entire system shall be U.L. approved.

Control Module

- Each system shall require one control module selected from the following types:

One scene, six channels
Two scene, six channels
One scene, twelve channels
Two scene, twelve channels

- One proportional scene master per scene and one operation mode selector switch per channel shall be provided.

- The body of the control module shall be injection molded impact resistant A.B.S. plastic with integral protective trim.

- All components including front panel control components except on/off keyswitch shall be mounted on a single printed circuit wiring board. The wiring board shall mount to a steel plate backing the faceplate.

- The faceplate shall be of 1/8" (.125 mm) clear anodised aluminum, with anodised identifications.

- A regulated power supply shall be included in the control module.

- Overall dimensions of the control module shall not exceed 4 1/2" H, 12" W and 13 1/2" D (114 mm H, 305 mm W, 343 mm D). It shall weigh no more than 10 lbs. (4.54 kg).

- The controls shall function as follows:

Keyswitch shall activate the system.

One or two linear controllers shall be provided for each channel. Each individual controller shall have 2" (51 mm) minimum travel and shall have a graduated scale in steps and half steps from 0 to 10.

Individual three-position mode switches, one for each channel, shall be provided. They shall be labelled IND-MAS-OFF.

Each scene master shall be capable of proportionally lowering or raising simultaneously the levels of all channels assigned to it via the channel mode selector switches.

Dimmer Pack

- Each dimmer pack shall contain six 2.4kw dimmers of the thyristor phase control type. It shall be completely solid state and shall contain no moving parts other than circuit breakers.

- Each dimmer pack shall be furnished complete with feed lugs and output receptacles, ready for connection and operation.

- Dimmer packs are provided with output receptacles as follows:

1 - 20A twistlock per dimmer
2 - 15A twistlocks per dimmer
2 - 20A grounded stage pin connectors per dimmer

- Access to internal components shall be through a locking front door. An interlock sys-

tem shall prevent opening of the door while system is energized.

- All dimmer circuitry other than the choke and thyristor shall be assembled on printed circuit cards, one card per dimmer.

- All printed circuit cards shall be removeable and interchangeable through the front access door.

- The output shall be six independent load circuits each capable of controlling any incandescent lamp load from 25W to 2400W with 20A circuit breakers.

- The dimmer curve shall be factory set in accordance with I.E.S. Square Law characteristics, $\pm 5\%$. Individual dimmers shall track each other within 10% tolerance.

- Overvoltage surges on the input line lasting longer than one-half cycle shall be attenuated by the dimmer to no more than 120V RMS, out.

- Each output shall be independently controllable from the console. This control shall be smooth and stepless. Under no circumstances within the operational limits of these specifications shall any dimmer cause flickering or blinking of the lamp load or shall the operation of one dimmer channel affect the operation of another.

- An inductive filter shall be provided which will alter the steep wavefront to provide a minimum risetime of 600 microseconds at full load and 90° firing angle, 10% - 90%.

- In the event of an output fault (short in the load), a high speed fuse - one for each dimmer - shall open and protect the dimmers and the connected cables from damage. Fuses shall be unaffected by inrush of cold tungsten lamps.

- Each dimmer pack shall be fully self-contained in a steel box not over 18" H, 22" W, 15" D, (457 mm H x 559 mm W x 381 mm D) and shall weigh no more than 90 lbs. (40.8 kg).