

OKERO SID - the standard installation dimmer



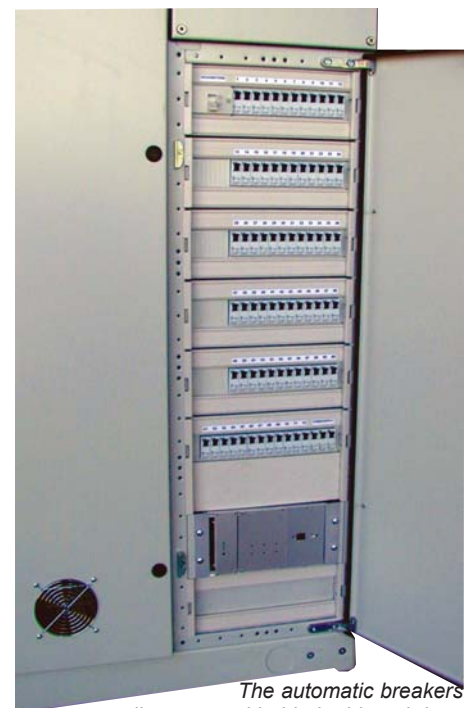
*The SID cabinets are only 220 mm deep and fit easily even in tight spaces. This is a standard 24*13A SID dimmer cabinet.*

The OKERO SID dimmers are designed for installation in theatres, TV-studios, multi-purpose halls and for marine use. They make a very flexible dimming system meeting high standards for quality and reliability. The SID dimmers are easy to install and very service friendly.

- The SID dimmers are controlled by DMX512. As an option they can also be equipped with OKERO's OLC functionality which makes it possible to record lighting states in memory and call these up from a control panel.
- The SID dimmer cabinets are easy to fit into a small dimmer room since they are only 220 mm deep and can be installed against a wall. Access for all connection and service work is from the front.
- The SID dimmer system is very service friendly. The control electronics has a modular design with 19" Europe-size PCBs. The dimmer blocks are easily accessible and do not require disassembly for service. The high quality circuit breakers are mounted under a separate cover for easy access.
- The OKERO SID is a very flexible dimmer system built around 6*13A dimmer blocks. It can be delivered in configurations from 24 to 96 circuits per cabinet. Available options include power patching, power switches for dimmed or non-dimmed output and mains breaker.



*24*13A OKERO SID cabinet equipped with power patching consisting of 24 dimmed and 6 non-dimmed twin Schuko outlets and 48 inputs connected to terminals. This dimmer is also equipped with an 80A mains breaker.*



The automatic breakers are easily accessed behind a hinged door.

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Specification - OKERO SID installation dimmer system

The OKERO SID dimmer system

The OKERO SID is an installation dimmer system designed for demanding applications. The dimmers are equipped with 6*13A dimmer blocks and are very installation- and service-friendly.

Easy to install

The SID dimmer cabinets are easy to install. They are designed to be placed against a wall or back-to-back with another SID dimmer. All connection work is made from the front. The upper part of the cabinet is equipped with a generous space for connection of power feed and controlled circuits. SID cabinets for connection from below (data flood) can be delivered on request.

Standard dimmer cabinets are designed for copper power feed cables. Dimmers designed for aluminium power feed cables can be delivered on request.

DMX control

Control protocol for the SID dimmers is DMX512. Should the system lose the DMX signal, the light stays unchanged until the DMX is active again. The control electronics is working as long as at least one of the three phases is active.

Optional memory function

The SID dimmers can be equipped with OKERO's optional OLC system, adding lighting memory to the dimmers. With the OLC option installed, lighting presets can be stored in the dimmer and called up later from a keypad (see special OLC information).

Automatic circuit breakers

The OKERO SID dimmers are equipped with automatic circuit breakers with a breaking capacity of 6kA. If required, 10kA breakers can be delivered as an option.

Optional mains breaker

The SID dimmers are designed to be powered from an external distribution box with a mains breaker. As an option, the SID dimmer cabinet can be equipped with a mains breaker for the power feed. In this case, the breaking capacity in the cabinet is increased to 35kA.

Filtering

The SID dimmers are equipped with high quality noise reduction filters giving a rise time of 250µs.

Optional power patching

An optional power-patching unit can be added to the SID dimmer system. The output part is built up from panels with either 12 or 6 double Schuko outlets connected to the dimmer- or non-dim circuits. The input part is built up from panels with either 48 or 24 IEC320 input connectors connected to terminals in the dimmer cabinet.

Types of load

The SID dimmers are intended for control of resistive (incandescent and halogen lamps) and inductive loads.

Electrical feed

The OKERO SID dimmers are designed to be connected to 230/400V +/-10% feed (Delta 230V) and can be delivered in three different configurations.

For EU

230/400V power feed in a 5-wire system with three phases, neutral and ground. The dimmers are equipped with high quality single pole automatic breakers.

Capacity	Dimensions (h*w*d)	Order code
24*13A	770 * 960 * 220 mm (wall)	100-354
24*13A	1450 * 570* 220 mm (floor)	100-362
48*13A	1460 * 960 * 220 mm	100-370
72*13A	2020 * 960 * 220 mm	100-388
96*13A	2020 * 1200 * 220 mm	100-396

For Norway and for marine use, 230V Delta

For Norway and for marine installations, the OKERO SID dimmers can be delivered in a version for 230V power feed in a 4-wire system without neutral (Delta), 50/60Hz. The dimmers are equipped with high quality double pole automatic breakers.

Capacity	Dimensions (h*w*d)	Order code
24*13A D	770 * 960 * 220 mm	100-404
48*13A D	1460 * 960 * 220 mm	100-412
72*13A D	2020 * 960 * 220 mm	100-420

Special 230/400V dimmers with breakers for phase and neutral

The OKERO SID dimmers can also be delivered in a version for 230/400V power feed in a 5-wire system with three phases, neutral and ground and where the dimmers are equipped with high quality double pole automatic breakers for phase and neutral.

Capacity	Dimensions (h*w*d)	Order code
24*13A 2p	770 * 960 * 220 mm	100-438
48*13A 2p	1460 * 960 * 220 mm	100-446
72*13A 2p	2020 * 960 * 220 mm	100-453

Mechanics

The OKERO SID dimmers are built in rugged 1.5mm steel cabinets with a durable light grey finish (RAL 7035). The cabinets are only 220mm deep and are very easy to fit even in dimmer rooms with very limited space.

Load capacity

The OKERO SID dimmers are designed for a continuous load of up to 65% of full rated load (can be limited by the power feed to the dimmer cabinets).

Environmental conditions

The ambient temperature for the OKERO SID dimmers shall not exceed 30°C. Humidity between 30% and 90%, non-condensing.

The SID dimmer cabinets are equipped with a thermostat controlled ventilator system.

Option for moving light

To facilitate rigging with moving light fixtures needing non-dimmed power supply, the SID dimmer cabinets can be equipped with an optional power switch for each dimmer outlet setting the outlet to:

- Dimmer out
- Switched off
- 230V non-dim