

Stepless and lossless controls, VDE and CE certified

The fast pulse group control is assembled for the power controlling of the shortwave IR-modules. This principle allows a simple construction and is therefore a low-cost alternative to a phase angle control. Through the **extra fast pulse string** the often annoying flimmer effect is nearly eliminated.

Type SILS1-3,5

Output power:	max. 3.5 kW
Principle:	fast pulse group control
Output adjusting range:	0 ... 100%
Mains connection:	2 m connecting cable with grounded plug, 230 V (50/60 Hz)
Consumer connection:	internal terminal connection (3 cable glands on the back for max. 3 consumer) 230 V AC (50/60 Hz)
Casing:	aluminium laquered (RAL 7035 light grey), aluminium anodised (frontplate)
Protection class:	IP 20
Dimensions (W x H x D):	260 mm x 90 mm x 180 mm
Weight:	approx. 3.2 kg
More features:	noise suppression class A for industrial sectors IEC 60947-4-3, IEC 61000-4-2; mains switch front-sided; key switch for power controlling by front-sided potentiometer or external 0 ... 10 V DC – signal



SILS1-3,5

Item-no.: **131930.1**

Type SILS2-6 as above but for 400 V AC consumers up to 6 kW

Output power:	max. 6 kW
Mains connection:	2 m connecting cable with 5 pole 16 A CEE plug, 3x 400 V AC (50/60 Hz)
Consumer connection:	internal terminal connection (3 cable glands on the back for max. 3 consumer) 400 V AC (50/60 Hz)

Item-no.: **131980.3**

Type SILS1-3,5plus

**Power controller for automatic temperature regulation for ventilated IR-modules, shortwave or fast medium-wave.
Temperature controller with lcd display for setpoint and actual value.**



SILS1-3,5plus

Principle:	fast pulse group control
Output power:	max. 3.5 kW
Input signal:	Universal input for connecting a thermocouple or radiation pyrometer (please order separately, see measurement technology / pyrometer)
Output adjusting range:	0 ... 100% switchable between automatic regulation with double led display for setpoint and actual value and manual output power setting
Temperature range:	variable adjustable (factory setting 0 ... 200°C)
External power control:	0 ... 10 V DC signal = 0 ... 100% power (automatic control deactivated)
Mains connection:	2 m connecting cable with grounded plug, 230 V AC (50/60 Hz)
Consumer connection:	internal terminal connection (3 cable glands on the back for max. 3 consumer) 230 V AC (50/60 Hz)
Casing:	aluminium laquered (RAL 7035 light grey), aluminium anodised (frontplate)
Applied standards:	VDE; CE; IP 20
Dimensions, weight:	260 mm x 90 mm x 260 mm, approx. 5kg
More features:	noise suppression class A for industrial sectors IEC 60947-4-3, IEC 61000-4-2; mains switch front-sided

Item-no.: **131945.4**

Type SILS2-6plus as above but for 400 V AC consumers up to 6 kW

Output power:	max. 6 kW
Mains connection:	2 m connecting cable with 5 pole 16 A CEE plug, 3x 400 V AC (50/60 Hz)
Consumer connection:	internal terminal connection (3 cable glands on the back for max. 3 consumer) 400 V AC (50/60 Hz)

Item-no.: **131981.4**

Options for SILS1-3,5plus / SILS2-6plus:

remote setpoint input 0 ... 10 V DC = 0 ... 200°C (factory setting)
Switching between local and remote setpoint by controller keys.

Item-no.: **131936**

*Further controller functions (alarm relay, actual value output, RS485) by direct wiring to the controller terminals possible.
Have a look to our controller P6100 data sheet for more informations.*

IN4000 for non-contact temperature measurement of non-metallic or coated surfaces

Temperature range	-20 ... 500°C (factory setting 0 ... 300°C)
Analog output	0 ... 5 V DC (scaleable)

Item-no.: **130700**



IN4000

Type SILS3-19

Output power:	max. 19 kW
Principle:	fast pulse group control
Output adjusting range:	0 ... 100%
Mains connection:	2 m connecting cable with 32 A CEE plug; 3x 400 V + N + PE (50/60 Hz)
Consumer connection:	internal fuse 6x 16 A; internal terminal connection (6 cable glands on the back for max. 6 consumer [230 V AC] or 3 consumer [3x 400 V AC])
Casing:	aluminium laquered (RAL 7035 light grey), aluminium anodised (frontplate)
Protection class:	IP 20
Dimensions (W x H x D):	360 mm x 145 mm x 410 mm
Weight:	approx. 8.5 kg
More features:	key switch for power controlling by front-sided potentiometer or external 0 ... 10 V DC – signal; ventilated heat sink on the back; mains switch front-sided noise suppression class A for industrial sectors IEC 60947-4-3, IEC 61000-4-2



SILS3-19

Item-no.: **131932.1**

Type SILS3-19plus

Power controller for automatic temperature regulation for ventilated IR-modules, shortwave or fast medium-wave.
Temperature controller with LCD display for setpoint and actual value.



SILS3-19plus

Principle:	fast pulse group control
Output power:	max. 19 kW
Input signal:	Universal input for connecting a thermocouple or radiation pyrometer (please order separately, see measurement technology / pyrometer)
Output adjusting range:	0 ... 100% switchable between automatic regulation with double led display for setpoint and actual value and manual output power setting
Temperature range:	variable adjustable (factory setting 0 ... 300°C)
External power control:	0 ... 10 V DC signal = 0 ... 100% power (automatic control deactivated)
Mains connection:	2 m connecting cable with 32 A CEE plug; 3x 400 V + N + PE (50/60 Hz)
Consumer connection:	internal fuse 6x 16 A; internal terminal connection (6 cable glands on the back for max. 6 consumer [230 V AC] or 3 consumer [3x 400 V AC])
Casing:	aluminium laquered (RAL 7035 light grey), aluminium anodised (frontplate)
Applied standards:	VDE; CE; IP 20
Dimensions weight:	360 mm x 145 mm x 410 mm, approx. 8,5kg
Weight:	approx. 8.5 kg
More features:	ventilated heat sink on the back; front sided mains and irradiation start switch; noise suppression class A for industrial sectors IEC 60947-4-3, IEC 61000-4-2

Item-no.: 131943

Optional for SILS3-19plus:

Digital-Timer and additional start button

(alternatively timer can be started by an external potential-free contact)

Item-no.: 131941

remote setpoint input 0 ... 10 V DC = 0 ... 300°C (factory setting)

Switching between local and remote setpoint by controller keys.

Item-no.: 131942

*Further controller functions (alarm relay, actual value output, RS485) by direct wiring to the controller terminals possible.
Have a look to our controller P6100 data sheet for more informations.*

IN4000 for non-contact temperature measurement of non-metallic or coated surfaces

Temperature range -20 ... 500°C (factory setting 0 ... 300°C)
Analog output 0 ... 5 V DC (scaleable)

Item-no.: 130700



IN4000