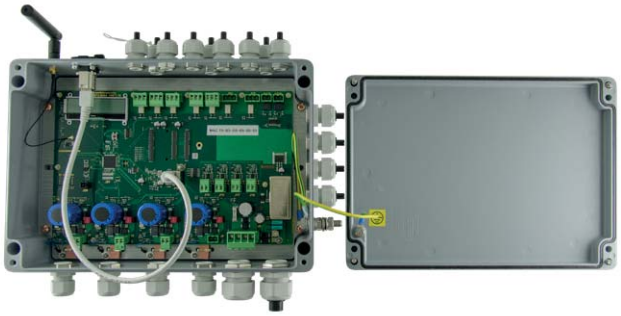
4-channel control unit



The control unit for all GIFAS systems is designed for 4 output lines. Each channel can be loaded with up to 10 A.

- **Supply:** A 230 VAC / 24 - 48 VDC power supply device with a nominal output current of 40 A is installed upstream from the control unit.
- **Error messages:** Each channel has a relay with SPDT (potential free) assigned to the signaling of error messages.
- **External blinking contacts:** By default, two external flashing signals (24 - 60 VDC) can be connected and transferred to the outgoing lines (synchronisation with flashing signal).
- **Operating mode:** The control unit has 8 or 31 different modes of operation.
- **Failure rate:** By failure rate detection, the lights can be tested for their functionality. The control unit measures the total power consumption of the respective channel. If the power consumption drops to a preset value, the fault message can be detected via a changeover contact (potential-free).
- **Functions:** One of the following functions can be assigned to each channel in each mode:
  - Continuous lighting: 100 %
  - Dimming: adjustable from 1 - 99 %
  - Flash: adjustable from 0.1 - 9.9 Hz
  - Lightning: adjustable from 1 - 99 ms
  - Running light: running light direction, dimming 1 - 99 %, Light duty cycle 100 ms - 10 sek, delay in lighting 100 ms - 10 sek, Switch-on delay 0 - 999 sek, duty cycle 0 - 999 sek
  - Off
- **Programming:** the control unit can be optionally parametrised and read out via the web interface or the optionally available radio programming unit.
  - Web interface: if the control unit is connected to the network via RJ45 Cat. 6a, all parameters can be set and read out via a web browser.
  - Radio programming unit: All parameters can also be set by the radio programming unit.

Technical data

Protection category:	IP66
Rated power max.:	1'920 VA
Input voltage:	18 - 48 VDC
Supply current:	40 A, 4 channels à 10 A
Power supply:	external
Dimensions:	330 × 230 × 110 mm

Item no.	Description
860594	Control unit 4-channel IP66, 18 - 48 VDC, 4 × 10 A ready for installation in housing of cast aluminium 330 × 230 × 110 mm, excl. power pack

Remote control to 4-channel control unit

Programming device with menu guide for set-up, programming and status recognition of the control unit. Communication with the control unit occurs through radio.

All necessary functions can be set up and assigned through the menu structure. No special knowledge is required to operate it. The connection between the control unit and the programming device is bi-directional, i.e. the current settings can be transferred from one to the other.

The buttons «⇧», «⇩», «⌫» and «✓» are used to navigate the system. The range is approx. 3 m.

The menu is available in 4 languages: German, English, French and Italian.

Technical data

Material:	ABS
Protection category:	IP40
Protection class:	III
Radio frequency:	2.4 - 2.525 GHz
Operating voltage:	4.5 VDC, 3 pcs. batteries type AAA
Life of battery:	> 1 year in standby mode
Dimensions (WxHxD):	73 × 140 × 32 mm
Colour:	graphite grey similar to RAL 7024

Item no.	Description
860460	Remote control complete for the control unit 4-channel

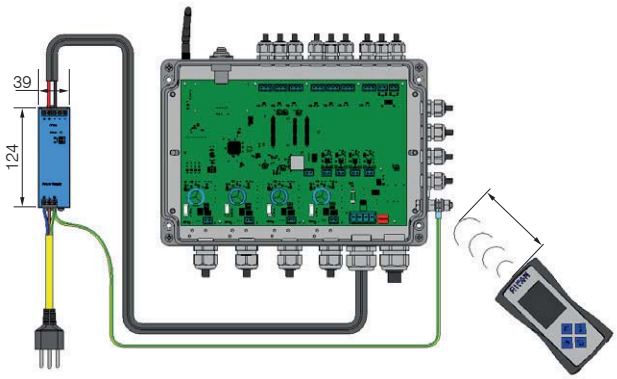
Power pack for control unit 4-channel

A 230VAC/24/36/48VDC power pack is installed upstream from the 4-channel control unit. The power pack is equipped with integrated protection against overloading and short-circuiting, with automatic or manual reset.
The power pack conforms to CEE regulations and also has UL and/or CSA approval.

Technical data

Protection category:	IP20 (with additional cover IP42)
Protection class:	I
Input voltage:	230VAC (range 100-240VAC)
Output voltage:	24/36/48VDC
Output current:	10/20A
Connections primary:	screw terminals 4mm²
Connections secondary:	screw terminals 4mm²
Status display:	LED green
Installation:	quick fastening for DIN rail 35mm
Dimensions (W×H×D):	39×124×117mm

ⓘ A detailed datasheet on the power pack is available on request



Item no.	Description
163193	Power pack 230VAC/24VDC-10A/240W 39×124×117mm
136629	Power pack 230VAC/24VDC-20A/480W 65×124×127mm
180867	Power pack 230VAC/48VDC-20A/960W 125×124×127mm

Other versions on request

Cold conductor monitoring

The cold conductor monitoring is used for detecting defective installations or lights that are not connected. The monitoring is automatically activated as soon as the lights are switched off.

- **Feeding:** A power pack 230VAC/18-48VDC with a rated output current of max. 10A is connected upstream of the old conductor monitoring. The level of the output voltage of the power pack depends on the marking light used in this case.
- **Fault signal:** The cold conductor monitoring has two relays with change-over contact (potential-free) to signal fault messages for voltage interruption (for example, failure of the power supply unit) and exceeding of the failure rate (for example defect in the control unit installation).
- **Functions:** In every cold conductor monitoring, the threshold for the max. failure rate detection can be set individually in percentage. The adjustment range is 10-70% and can be adjusted in 10% increments.
- **Programming:** Programming is done directly via the programming buttons on the control board.

Technical data

Protection category:	IP66
Rated power max.:	480VA
Input voltage:	18-48VDC
Supply current:	10A
Power supply:	extern
Dimensions (W×H×D):	160×100×80mm

Item no.	Description
860603	Cold conductor monitoring, 18-48VDC, 10A ready for installation in housing of cast aluminium 160×100×80mm, excl. power pack