

# FALCON monitoring module for visualization of supervised facilities

FALCON is a universal device for the area of remote monitoring of machines by means of GPRS data communication. It is primarily designed for basic monitoring of elevators and escalators.



## FALCON 4 (4 inputs)

For simple, inexpensive monitoring of basic states of the given device.

- fault
- service
- power failure
- emergency signalling
- in the case of escalators, upward travel, downward travel
- safety circuit failure, power failure

✔ Visualization is executed by the **LEMON** System

## FALCON 16 (16 inputs)

For more demanding applications with monitoring of the given device operation.

- fault
- service
- power failure
- emergency signalling
- door state
- cab position

✔ Visualization is executed by the **LEMON** System

## Contents of the switchboard for SOKOLIK 4 and 16

- Sokolík 4 or 16 communication unit
- 2 Ah backup power supply with battery capacity measurement
- power supply 12 V/2.1 A/DIN
- AKU/12 V/7.5 A h
- separate cabinet with dimensions 322 x 397 x 90 with IP 20 protection
- for escalators or on special request, a version in a switchboard with IP 64 protection can also be supplied



PRODUCER:

**BETACONTROL**

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## FALCON 4 and 16 BASIC

BASIC ASSEMBLY WITHOUT SWITCHBOARD

### FALCON BASIC 4

GSM MONIT 00-GSM modul 12 V DC

GSM MONIT 01-4 parallel inputs  
12-24 V DC

Power supply 12 V DC/0,5 A

Connecting set

✔ Visualization is executed by the **LEMON** System

### FALCON BASIC 16

GSM MONIT 00-GSM modul 12 V DC

GSM MONIT 02-16 parallel inputs  
12-24 V DC

Power supply 12 V DC/0,5 A

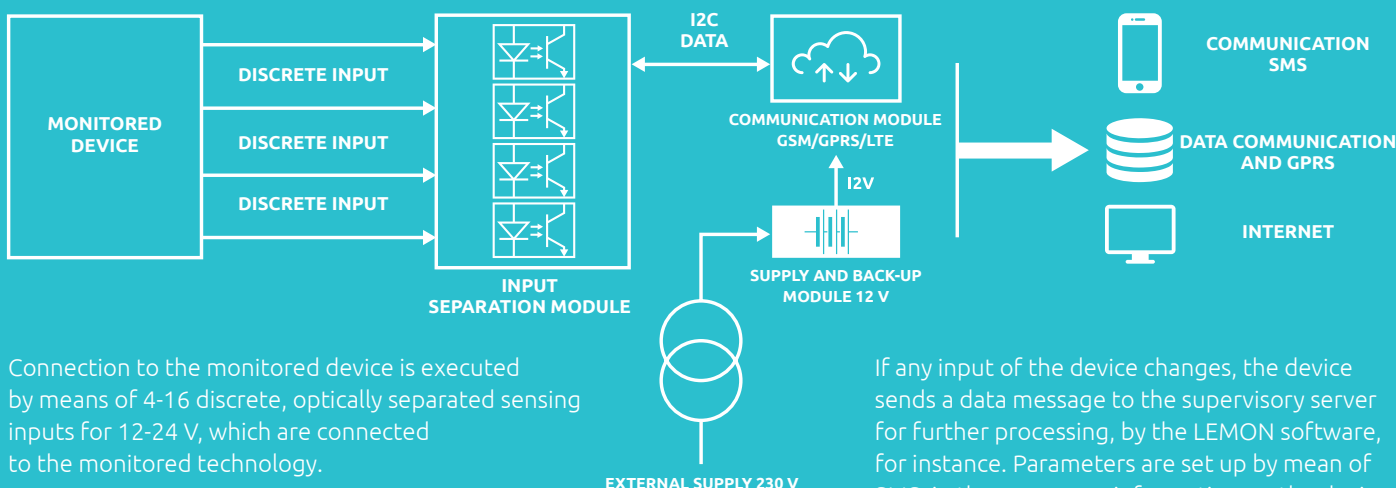
Connecting set

✔ Visualization is executed by the **LEMON** System



**POSSIBILITY OF INSTALLATION  
IN A SWITCHBOARD**

## FUNCTIONAL CHART



Connection to the monitored device is executed by means of 4-16 discrete, optically separated sensing inputs for 12-24 V, which are connected to the monitored technology.

If any input of the device changes, the device sends a data message to the supervisory server for further processing, by the LEMON software, for instance. Parameters are set up by mean of SMS; in the same way, information on the device state, signal strength, back-up supply voltage etc. can be obtained.