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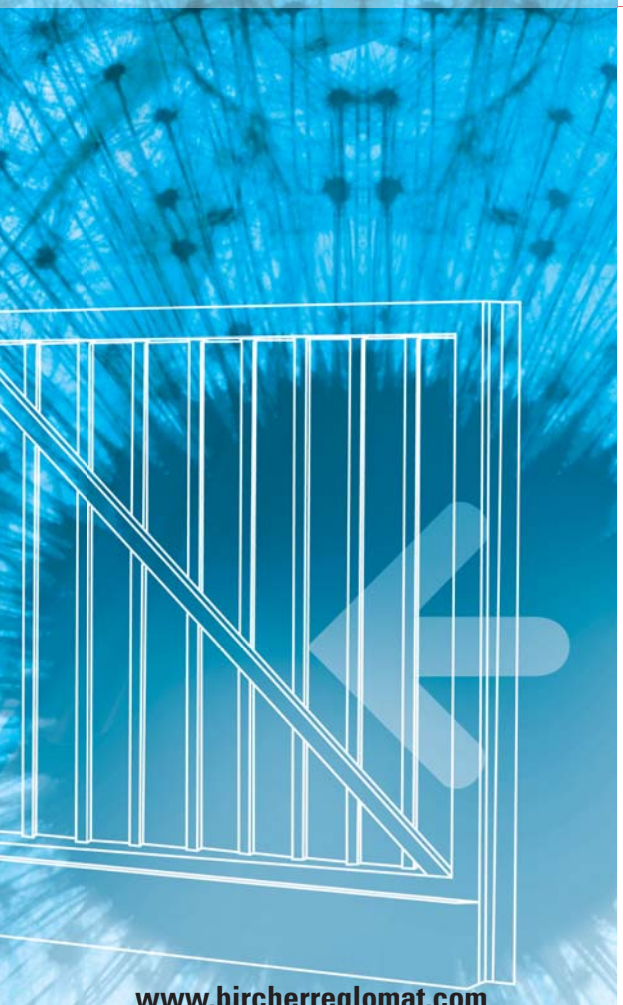
sensing the future

InTra6

Inductive signal transmission system for safety edges on automatic sliding gates



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Simple, intelligent, low-maintenance

- **Easy installation and short start-up time**
- **Can be configured for an extremely wide range of applications**
- **Very slim and compact design allows easy integration**
- **Long lasting and low maintenance due to contact free signal transmission → reduced operating costs**

InTra6

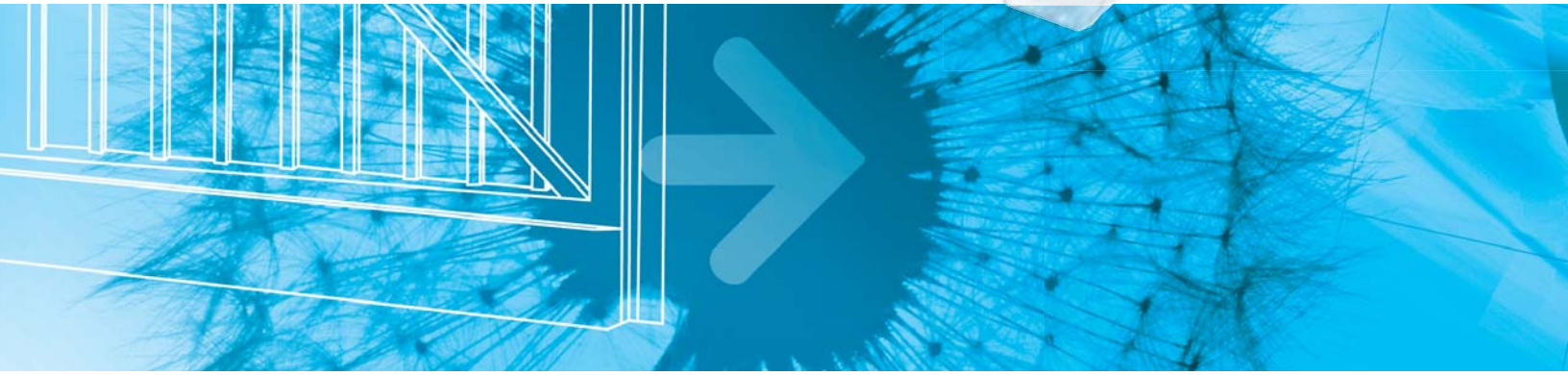
Inductive signal transmission system for automatic sliding gates

Systematic safety

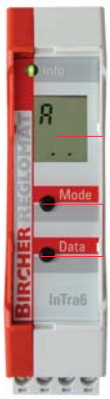
InTra6 transmits the status of the pressure-sensitive safety edges mounted on the mobile part of the gate, securely and contact-free. The information is transferred by the converter and the steel cable via a coil to the switching device. The stationary safety edges are connected directly to the switching device. InTra6 is an improved further development of our inductive signal transmission systems that has been performing reliably for many years.

InTra6 – It couldn't be easier

InTra6 is installed an operated very easily especially because of the integrated intelligent software and the intuitive user guidance module.

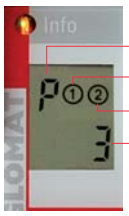


Your benefits



User-friendly and simple

The operating status and set values can be read at a glance from the LCD display.



Fast startup

The pre-programmed factory settings fit a wide range of applications.

Easy custom configuration

The intelligent software allows an easy, safe and reliable custom configuration. InTra6 is an extremely flexible system which can be adjusted to fit all individual applications.

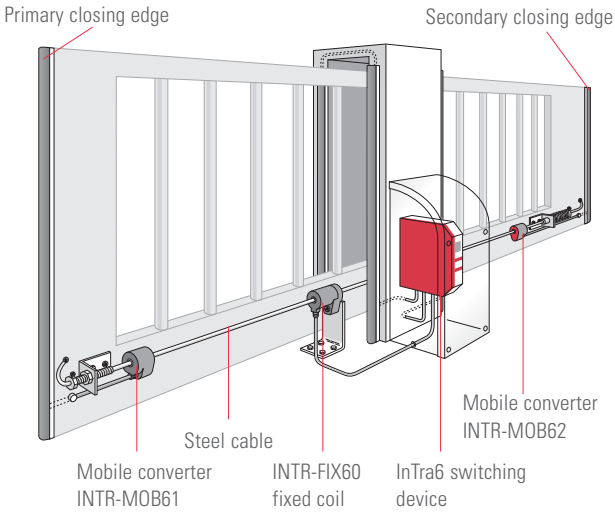
Easy trouble shooting

The resistance values of the connected safety edges can be checked on the LCD display. No need for additional measuring equipment.

Fast overview of the safety system

The LED display immediately shows when a safety edge has been activated.
It also shows which safety edge and which output was triggered.

System overview



Simple and compact

- No more complicated cabling along the entire gate! Simply use a second converter for the secondary closing edge.
- High level of flexibility in the gate design thanks to extremely slim InTra6 components.
- Up to four safety edges (two mobile and two stationary) can be monitored with only one InTra6 system.

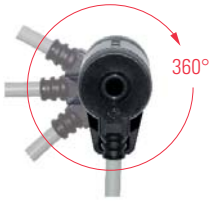
System components

The INTR-MOB61 converter is installed at the mobile primary closing edge and the INTR-MOB62 converter on the mobile secondary closing edge. Both units are connected directly to the safety edge.
The INTR-FIX60 coil is used to receive the signal from the moving cable and to transfer it to the switching unit.

INTR-MOB61
Primary closing edge converter

INTR-MOB62
Secondary closing edge converter

INTR-FIX60
Fixed coil for signal transmission



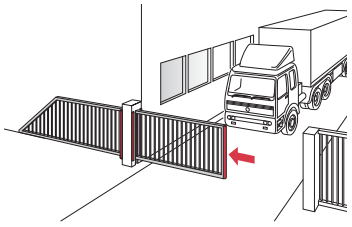
The coil can be rotated by 360° around the cable axis for easy installation

Applications

Situation
Use on sliding gate at site entrance, non-hazardous opening, factory traffic only

Solution
- InTra6 2 configured for primary closing edge and two stationary secondary closing edges with INTR-FIX60 coil and INTR-MOB61 converter

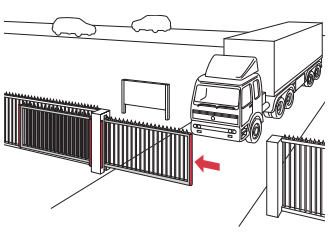
Advantages
- A cat. 2 / EN 954-1 transmission system approved acc. to EN 12978 with safe evaluation of all three safety edge circuits



Situation
Use on sliding gate at site entrance, unprotected opening, factory traffic only

Solution
- InTra6 2 configured for mobile primary and secondary closing edge as well as two stationary secondary closing edges with INTR-FIX60 coil and two converters, INTR-MOB61 / INTR-MOB62

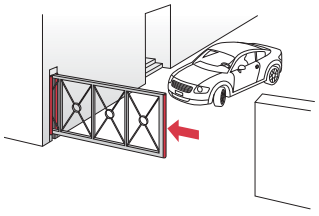
Advantages
- A cat. 2 / EN 954-1 transmission system approved acc. to EN 12978 with safe evaluation of all four required safety edge circuits



Situation
Use on sliding gate at site entrance, protected opening, private traffic only

Solution
- InTra6 2 configured for a primary closing edge and a stationary secondary closing edge with INTR-FIX60 coil and INTR-MOB61 converter

Advantages
- A cat. 2 / EN 954-1 transmission system approved acc. to EN 12978 with safe evaluation of both required safety edge circuits



Order details

Please note, all components have to be ordered separate according to your application needs.

Article no.	Description	
240578	InTra6 2 Inductive transmission system Switching device, cat. 2 (EN 954-1)	
244423	InTra6 2.LVAC Inductive transmission system Switching device, cat. 2 (EN 954-1) multi-voltage	
240580	INTR-FIX60 Coil to InTra6	
240584	INTR-MOB61 Converter to InTra6 Primary closing edge	
240585	INTR-MOB62 Converter to InTra6 Secondary closing edge	
249588	INTR-ASK60 Installation kit	
256427	INTR-SC12 Steel cable 39.4 ft (12 m)	

InTra6 Kit

Art.no.	Kit	 InTra6 2	 InTra6 2.LVAC	 INTR-FIX60	 INTR-MOB61	 INTR-MOB62	 INTR-ASK60	 INTR-SC12
256432	INTRA6 2 SET01	■		■	■		■	■
256433	INTRA6 2 SET02	■		■	■	■	■	■
256435	INTRA6 2 SET03		■	■	■		■	■
256437	INTRA6 2 SET04		■	■	■	■	■	■

Supplementary products

ClickLine
Electrical safety edge
Rubber profiles with click-fit foot

CoverLine
Electrical safety edge
Rubber profiles for clicking in at the side

Technical data

Mechanical data	
Switching device	For DIN rail mounting
Material	Polyamide red-grey
Dimensions	0.89" × 3.70" × 3.54" (W x H x D) 22.5 × 94 × 90 mm (W x H x D)
Weight	7 oz (200 g)
Connection type	Plug-in terminals
Coil	
Material	ABS / POM, anthracite
Dimensions	1.8" × 0.94" × 1.34" (46 × 24 × 39 mm)
Cable length	6.5 ft (2 m)
Converter	
Material	ABS, anthracite
Dimensions	1.8" × 0.94" × 1.34" (32 × 24 × 34 mm)
Cable length	0.65 ft (0.2 m)

Electrical data	
Supply voltage	InTra6 2: 24 VAC/DC ±15% InTra6 2.LVAC: 94-240VAC ±10%
Power consumption	max. 2VA
Duty cycle	100 %
Resistance values of the safety edges	8.2 kOhm
Outputs	Semiconductor relay 24 VDC, 50 mA
Test input	24 VDC Not activated = Standard operation Activated = Test

Ambient conditions	
Protection class	
Switching device	IP30, in installed condition
Converter, coil	IP65
Operating temperature	–4°F to +130°F (–20°C to +55°C)
Storage temperature	–40°F to +160°F (–40°C to +70°C)
Air humidity	< 95 %, non-condensing

Standards	
Approval	EN 12978

Note
Technical details and recommendations concerning our products are based on experience and are an aid for the orientation of the user. Details stated in our brochures and data sheets do not guarantee special properties of the products. This does not apply to special product properties confirmed in writing or individually on a case-by-case basis. Subject to technical alterations.

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