



sensing the future



InTra6

Inductive signal transmission system for safety edges on automatic sliding gates

Simple, intelligent, low-maintenance

- Easy installation and short start-up time
- Can be configured for an extremely wide range of applications
- System that can be installed inconspicuously with the smallest components that can be integrated easily
- Long service life, low operating costs because of wear-resistant signal transmission

InTra6

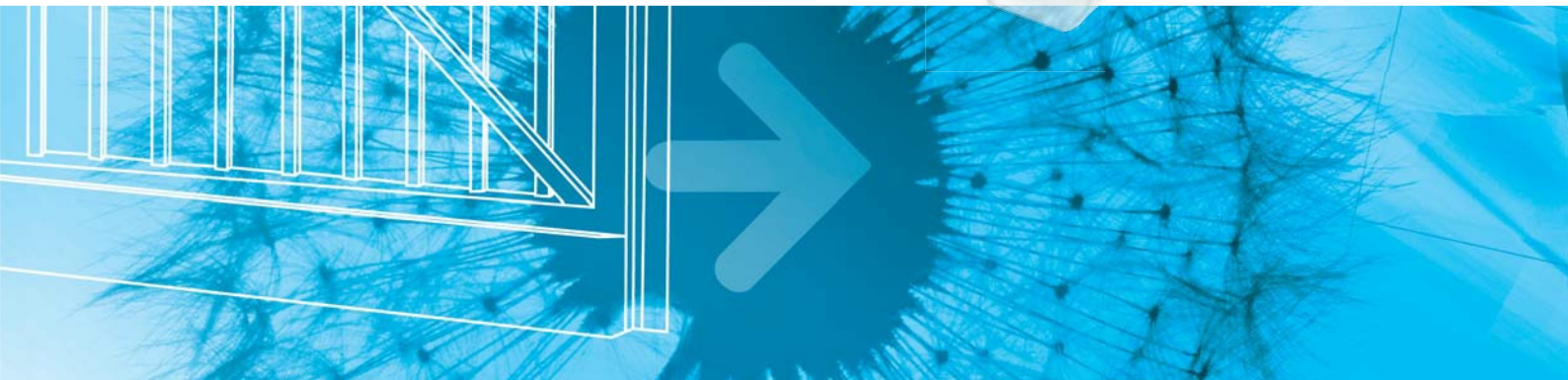
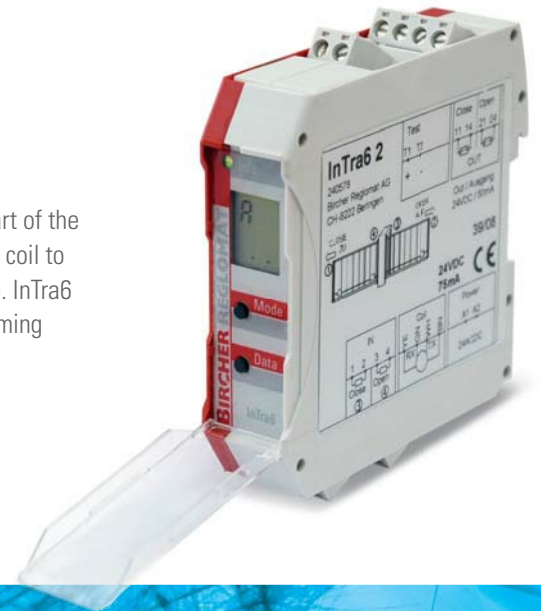
Inductive signal transmission system for automatic sliding gates

Systematic safety

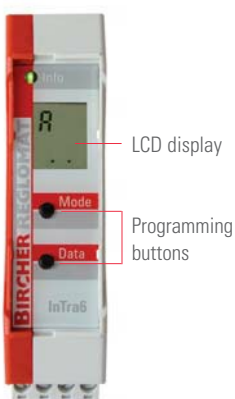
InTra6 transmits the status of the pressure-sensitive safety edges mounted on the mobile part of the gate, securely and contact-free. Information is transferred by converter and steel cable via a coil to the switching device. Stationary safety edges are connected directly to the switching device. InTra6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

InTra6 – It couldn't be easier

The intelligent software with intuitive user guidance and the compact design mean that InTra6 can be operated and started up easily.

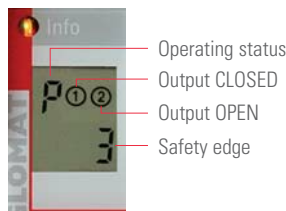


Your benefits



User-friendly and clear

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



Rapid startup

The configuration programmed at the factory corresponds to a large proportion of the applications. InTra6 is operated using two buttons.

Individually configurable

An ingenious set-up permits a safe and reliable configuration. The extremely flexible system can easily be adjusted for the individual situation. There are no longer any bridging resistors.

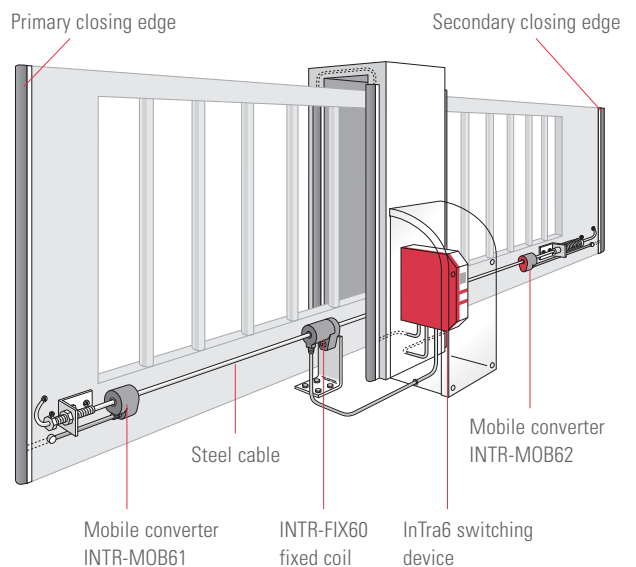
Integrated resistance display

The resistance values of the connected safety edges are displayed if necessary, making additional measuring instruments superfluous.

Clear at first glance

The LED display immediately shows when a safety edge has been actuated. The LCD display also shows which safety edge and which output are affected.

System overview



Simple and compact

- No more complicated cabling along the entire gate spar! Simply use a second converter for the secondary closing edge.
- High level of flexibility in gate design thanks to the small, densely packed system components.
- Using only one system, it is possible to monitor up to four safety edge circuits safely and reliably.

System components

Use the INTR-MOB61 converter at the primary closing edge and the INTR-MOB62 converter on a mobile secondary closing edge. Connect both to the safety edges directly. The INTR-FIX60 coil is used for signal transmission between the cable and 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 about the cable axis to facilitate installation



Applications

Situation

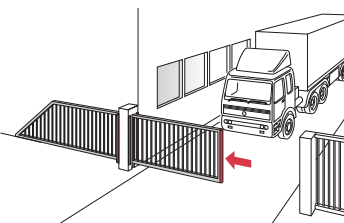
Use on sliding gate at site entrance, non-hazardous opening, only works traffic

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

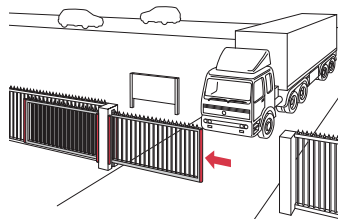
Use on sliding gate at site entrance, unprotected opening, only works traffic

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 and 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

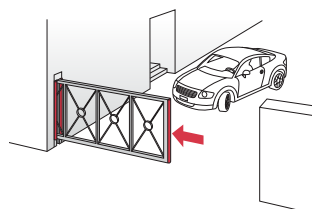
Use on sliding gate at site entrance, protected opening, only private traffic

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



Situation

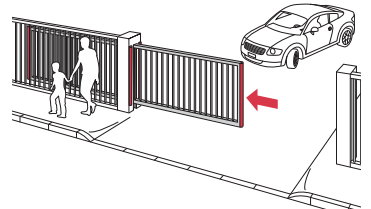
Use on sliding gate at site entrance, unprotected opening, adjacent to public premises

Solution

- InTra6 3 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 and INTR-MOB62

Advantages

- A cat. 3 / EN 954-1 fail-safe (single fault) transmission system approved acc. to EN 12978 with evaluation of all four safety edge circuits



Order details

Article no.	Description	
240578	InTra6 2 Inductive transmission system Switching device, cat. 2 (EN 954-1) 24 V	
244423	InTra6 2.LVAC Inductive transmission system Switching device, cat. 2 (EN 954-1) multi-voltage	
263915	InTra6 3 Inductive transmission system Switching device, cat. 3 (EN 954-1) 24 V	
263916	InTra6 3.LVAC Inductive transmission system Switching device, cat. 3 (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 12 m	
256387	BOX22 Housing IP55	

InTra6 Kit

								
Art.no. Kit InTra6 2	240578	244423	240580	240584	240585	249588	256427	256387
256432 INTRA6 2 SET01	■		■	■	■	■	■	
256433 INTRA6 2 SET02	■		■	■	■	■	■	
256435 INTRA6 2 SET03		■	■	■	■	■	■	
256437 INTRA6 2 SET04		■	■	■	■	■	■	
256439 INTRA6 2 SET05	■		■	■	■	■	■	■
256440 INTRA6 2 SET06	■		■	■	■	■	■	■
256442 INTRA6 2 SET07		■	■	■	■	■	■	■
256443 INTRA6 2 SET08		■	■	■	■	■	■	■
Art.no. Kit InTra6 3	263915	263916	240580	240584	240585	249588	256427	256387
264718 INTRA6 3 SET01	■		■	■	■	■	■	
264750 INTRA6 3 SET02	■		■	■	■	■	■	
264751 INTRA6 3 SET03		■	■	■	■	■	■	
264752 INTRA6 3 SET04		■	■	■	■	■	■	
264753 INTRA6 3 SET05	■		■	■	■	■	■	■
264754 INTRA6 3 SET06	■		■	■	■	■	■	■
264755 INTRA6 3 SET07		■	■	■	■	■	■	■
264756 INTRA6 3 SET08		■	■	■	■	■	■	■

Technical data

Mechanical data

Switching device	For DIN rail mounting
Material	Polyamide red-grey
Dimensions	22.5 × 94 × 90 mm (W x H x D)
Weight	200 g
Connection type	Plug-in terminals
Coil	
Material	ABS/POM, anthracite
Dimensions	46 × 24 × 39 mm
Cable length	2 m
Converter	
Material	ABS, anthracite
Dimensions	32 × 24 × 34 mm
Cable length	0.2 m

Electrical data

Supply voltage	InTra6 2: 24 VAC/DC ±15% InTra6 2.LVAC: 100–240VAC ±10% InTra6 3: 24 VAC/DC ±15% InTra6 3.LVAC: 100–240VAC ±10%
Power consumption	max. 3 VA
Duty cycle	100%
Resistance values of the safety edges	8.2 kOhm
Outputs	Semiconductor relay 24 VDC, 50 mA
Test input (only InTra6 2 / InTra6 2.LVAC)	24 VDC Not activated = Standard operation Activated = Test

Ambient conditions

Protection class	
Switching device	IP30, in installed condition
BOX22	IP55
Converter, coil	IP65
Operating temperature	–20 °C to +55 °C
Storage temperature	–40 °C to +70 °C
Air humidity	< 95 %, non-condensing

Standards

Approval	EN 12978
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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.

Your contact

IN2 Access & Control Ltd.
Unit 4 The Tradestop
Maes-Y-Clawdd
Oswestry, Shropshire
SY10 8NU
Phone: 01691 655150
Info@in2access.co.uk
www.in2access.co.uk