InTra6 3, InTra6 3.LVAC

Please keep for future reference!

Reglomat

Translation of the original instructions

Switching device with inductive transmission system used in combination with safety 255838W edges to avoid dangers at crushing and shearing points in sliding gate systems.

Safety and warning notices

→ The electrical connection may only be set up by an electrician. → The arrangement of the components depends on the structural conditions and the gate design. \rightarrow Switch off the operating voltage before working on the system. \rightarrow The switching device monitors pressure-sensitive protective Adevices from Bircher Reglomat AG (proper use). → Use of components not supplied by Bircher-Reglomat (including safety edges) will render the guarantee and liability null and void. -> Connect all operating and switching voltages to the same fuse. -> Connect the operating voltage to the same circuit as the industrial door controller. \rightarrow Disconnect device from mains in the event of a fault. \rightarrow Protection max. 10 A



6	6 Configuration mode (for configuration before starting up, via diagnostic menu, after mode «h»)									
\wedge	Please	ease read chapters 6.1 to 6.3 in full before attempting configuration.								
	6.1	6.1 Activating configuration menu								
	Configuration menu Configuration menu <thconfiguration menu<="" th=""> <thconfigurat< th=""><th>by pressing the ease</th><th></th></thconfigurat<></thconfiguration>						by pressing the ease			
	6.2	Configuration of safety ed	lge inputs							
	Ϊ. 00 Ι	The current setting for the s inputs is displayed.	afety edge	Display	Mobile safety edge CLOSE (1)	Mobile safety edge OPEN (2)	Stationary safety edge	Stationary safety edge OPEN (4)		
	<u>С</u> 00 г	Use the «Data» button to set the configuration you want for the safety edge inputs (according to Table 1).				not confi	gured		1	
					Х		Х	Х		
					Х	Х	Х	Х		
				003		X	Х	X	_	
				004	X	X			-	
			005	X	X	X		-		
۵	Error messages may occur when restarting After configuration if the inputs do not match				X	X	Λ	×	- Du	
<u> </u>					X		Х		etti	
	the co	configuration.			X			X	L∕ S	
			010			Х		acto		
			Table 1	011				Х	- <u>E</u>	
	6.3 Configuration fall-delay time									
	۲	Press the «Mode» button b	briefly.				Display	Fall-delay time]	
	άnι	Use the «Data» button to set the required fall-delay time (according Then briefly press the «Mode» button and End appears.			!).		Dispidy	any time by pressing the n and release ration. tionary Stationary ety safety ge oDSE (3) OPEN (4) rd X X X X X X X X X X X X X X X		
							UUI	100	bu	
	Fod						002		etti	
							003*	ZUU ms	JLA S	
		→ The system is configure	ed.				004	500 ms	actc	
		→ Press «Data» button to	restart.			Table 2	2 005	1000 ms) <u>–</u>	

7 Error displays

E00 If an error is detected then the outputs are deactivated and symbols (1) & (2) and an error code are displayed. The status LED lights up red. 00 1

Display	E001	E002	E003	E004	E005	E006	E007	E101/E102
Error	Safety edge (SE) malfunction ①	SE mal- function ①	SE mal- function ①	SE mal- function ①	Cable circuit malfunction	Mounting ≠config. mode	Outputs not OK	Undervoltage/ overvoltage
Remedy	Check safety edge 1	Check SE ②	Check SE 3	Check SE ④	Check cable circuit < 3 ohm	Check configuration	Check connection for outputs	Check supply

Should other fault messages appear, please contact your supplier.

8 Most important technical data

	InTra6 3	24 V AC/DC ± 15%,	Outputs	Semiconductor relay, 24 V DC, max. 50 mA			
Operating voltage	InTra6 3.LVAC	100-240 V AC 50/60 Hz	Dimensions (W x H x D)	Switching device (8) 22,5x94x88 mm Coil (7): 50x25x22 mm			
Power consumption		max. 3 VA					
Safety edges		8,2 kOhm					

9 Mounting

9.1 Electrical installation

- 1. Check that electrical components are all present by referring to component list 9.3.
- 2. Mount switching device in designated position.
- 3. Mounting of mechanical parts (see chapters 9.2 and 9.3).
- 4. Connect electrical lines as shown in terminal diagram in chapter 2.

9.2 Mechanical mounting

- 1. Check that mechanical components are all present by referring to component list 9.3
- 2. Mount the two mounting brackets (10) and the coil (7).
- 3. Pull in the steel cable (see chapter 9.4 and 9.5). Mount converter INTR-MOB (5) or (6).
- 4. Tension the steel cable (9) cable and fix it via the retaining screw (19). The steel cable (9) must be able to move unimpeded through the INTR-FIX60 coil (7) along the full length of the gate.
- 5. Connect steel cable (9) as described in chapter 9.5. Make sure the connection with the gate offers low resistance (clean the contact points and remove any paint).
- 6. Establish the electrical connection as shown in the terminal diagram in chapter 2.

9.3 List of electrical components

Components	Image	Qty	No.	Function
INTR-MOB61 (grey)		1	5	Converter, mobile sensor unit, transmits sensor status of primary closing edge
INTR-MOB62 (red)		evt. 1	6	Converter, mobile sensor unit, transmits sensor status of mobile secondary closing edge
INTRA6 3 switching device	and a state	1	8	Evaluation and switching device
INTR-FIX	2	1	7	Coil, transmits energy and information
Steel cable	Ó	1	9	Steel cable, forms the low-resistance cable circuit together with the gate structure (< 3 ohm!)
INTR-ASK60 components				
Mounting bracket		2	10	For fastening the cable to the gate
Banjo bolt, smooth, 8x60 with steel cable fixing screw (M4x10)	5	1	1	Part of cable tensioning device
Banjo bolt	<u></u>	1	(12)	Part of cable tensioning device
Cable lug 2.5 mm2	0	2	(13)	For connecting steel cable to gate
Compression spring	CODD	1	(14)	Part of cable tensioning device
Hexagon bolt M6x12 including washer	R	6	(15)	For fastening bracket / cable to gate
Hexagon nut M6	6	2	16	Part of cable tensioning device (on banjo bolt)
Plastic sleeve	0	2	17	For insulation between banjo bolt / hollow pin and mounting bracket
U-shaped washer for M8	0	2	(18)	Part of cable tensioning device (on banjo bolt)
Screw M4 x 10	¥	2	(19)	For fixing the cable in the banjo bolt / hollow pin

9.4 Arrangement on a gate (example)





9.6 Mounting substructure



10 EC Declaration of conformity, date of production

10.1 EC Declaration of conformity

Manufacturer:	Bircher Reglomat AG, Wiesengasse 20, CH-8222 Beringen				
Employee responsible for documentation:	Bircher Reglomat GmbH, Dr. Marc Loschonsky, Robert-Bosch-Strasse 3, DE-71088 Holzgerlingen				
Product:	Inductive signal transmission system, switching device				
Models:	InTra6 2, InTra6 3				
Notified Body:	Suva, Bereich Technik, SCESp 008, Kenn-Nr. 1246				
Txpe-examination certificate:	E 6934, E 6935				
Fulfills the essential requirements in acc. with: 2006/42/EG, 1999/5/EG					
Following standards were applied:	EN ISO 13849-1:2008+AC:2009				
Signee:	CTO Dr. Marc Loschonsky, COO Daniel Nef				

10.2 Date of production

See shield \rightarrow week/year, e.g. 12/10 = week 12, 2010

11 Contact data

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