

### 1. General

The day alarm device TA-1plus is used to monitor doors, gates, escape doors or similar. on unauthorized opening. The door is monitored via an external magnetic contact.

The local arming / disarming is realized by an internal key switch with half cylinder. Remote control by the intrusion alarm system is also possible.

Disarming is possible by means of an external contact (key switch) outside the fuse area.

When closing the door, the system can automatically arm again.

If the door is left open for longer than an adjustable time, this will result in an alarm message.

The alarming is triggered by an internal or an external signal generator. For a display panel corresponding output signals for alarm / disarmed are available.

The day alarm device TA-1 bus is equipped with a bus module (E-bus SMT22). Via this bus module, the alarm / sabotage, arming / disarming signals and, if required, an additionally connectable opening detector are transmitted. From the outside, the day alarm device can also be armed / disarmed via the E-bus.



### 2. Technical Data

operating voltage:	+10 ... +15V DC
current consumption:	max. 150 mA without external loads
features:	<ul style="list-style-type: none"> <li>- manual armed / disarmed with key switch</li> <li>- automatic armed after door close</li> <li>- alarm even if disarmed</li> <li>- alarm after adjustable time when door open</li> <li>- disarming with external push button</li> <li>- additional ext. opening detector can be connected (only TA-1bus)</li> <li>- remote armed / disarmed via intrusion alarm system (contact)</li> <li>- remote armed / disarmed via E-bus (OUT2)</li> </ul>
LED-displays:	yellow :power red : alarm green: disarmed
internal Buzzer:	typ. 103dB / 30cm
external Buzzer:	max. 16V DC / 500mA (open collector)
additional outputs LED tableau display armed / disarmed: 2. LED display armed / disarmed: relay alarm output: * relay armed / disarmed: * * only TA-1plus	max. 16V DC / 30mA (open collector) max. 16V DC / 30mA (open collector) max. 30V DC / 0,5A / 15W, 75V AC / 0,2A / 15VA (potential free) max. 30V DC / 0,5A / 15W, 75V AC / 0,2A / 15VA (potential free)
Tamper / cover contact:	max. 30V DC / 100mA (potential free)
Associated lock cylinder (not included)	Profil half-cylinder PHZ30

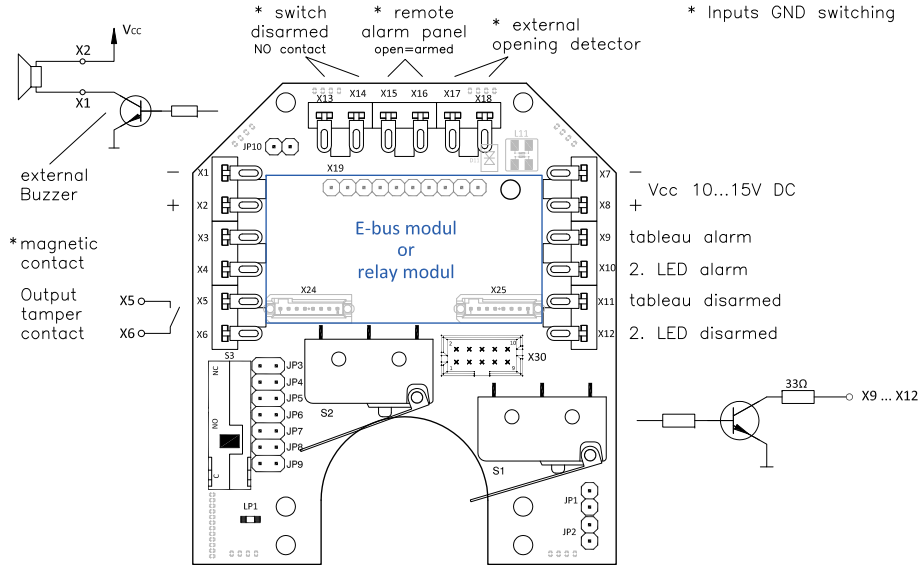
### 3. Operation of the key switch

Disarming / delete alarm:	turn the key switch short about 120 ° to the left
Arming:	turn the key switch short about 120 ° to the right
Normal operating:	key removed in middle position



Forcibly turning the key switch further beyond the stops will destroy the device.

### Connection



### 4. Programming with jumper JP1 ... JP10

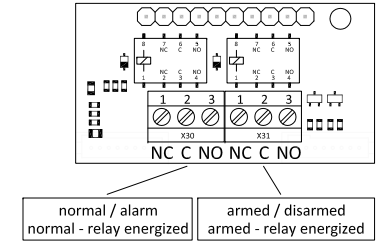
Jumper	Position	Function
JP1	closed	no automatic arming
	open	automatic arming when door closes again
JP2	closed	no alarm message in disarmed state
	open	also alarm message in disarmed state
JP3	closed	2s delay time with automatic arming (JP1 open)
	open	no delay time with automatic arming (JP1 open)
JP4	closed	at alarm becomes internal and external Buzzer switch off after 3min
	open	at alarm internal and external buzzer is permanently active (until disarmed)
JP5	closed	internal alarm LED constantly ON on alarm
	open	internal alarm LED brightly flashing on alarm
JP6	closed	any external opening detector on E-bus input IN2
	open	message armed / disarmed on E-bus input IN2
JP7	closed	alarm after time X when door is open in the disarmed state, setting via JP8 / JP9, only effective when disarmed at the key switch on site
	open	no alarm after time
JP10	closed	internal Buzzer switched on
	open	internal Buzzer switched off

### Time setting for function JP7

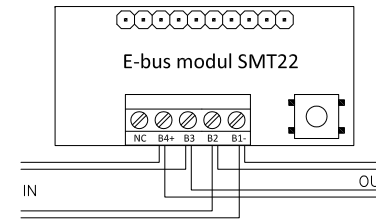
JP9	JP8	delay time
off	off	30s
off	on	60s
on	off	90s
on	on	120s

### Relay modul

The relay module is used to log the state changes of the TA-1plus by the intrusion alarm system



### E-bus modul



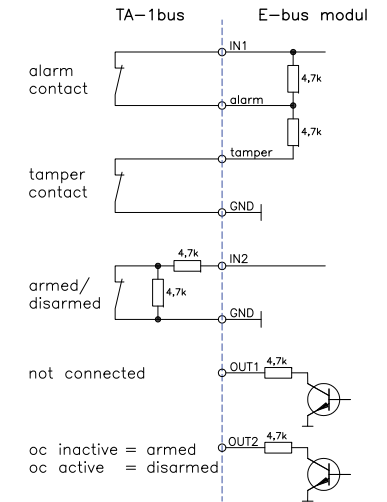
Signals from the E-bus to the TA-1bus

OUT1: not connect  
 OUT2: armed / disarmed

Signals from the TA-1bus to the E-bus

IN1: alarm / tamper  
 IN2: armed / disarmed

### Internal connection

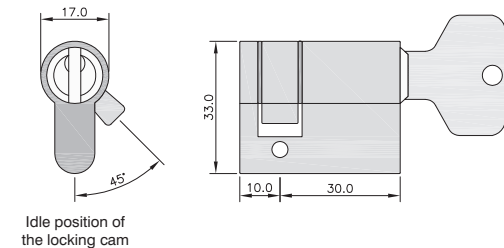


Note: The E-bus module is only plugged onto the X19 of the TA-1bus and fastened with the adhesive pad.

The programming of the zone inputs in the intrusion alarm system for the arming / disarming message (IN2) must be done as a dual resistor combination (DEOL) with 2x 4.7k resistors. Where:

contact closed = disarmed = 4,7k  
 contact open = armed = 9,4k

### Profile half-cylinder (not included)



Idle position of the locking cam

Illustrations and values are only conditionally valid as documents for orders. The order confirmation is legally binding in each case. The existing installation instructions apply for installation. Subject to change without notice!

