

## Air sampling smoke detection system TITANUS 3000

### Quick Guide for Commissioning

## 1 Installation

- Connect power (24V)
- Connect outputs for info- (AL1), pre- (AL2) and mainalarm (AL3) as well as "fault" (switchover relay contacts)
- Connect reset input
- Connect ext. input "night" (LowSens., 2.Sens) (if required)
- Connect pipe system or test pipe

## 2 Set Up

Set DIP switches on pcb "basis E597.1" and on pcb "interface K3I 100" according to tables below:

Selectable Settings		ext. input "LowSens":
function "day"	switch combination on <b>basis</b> pcb (G,F,E)	passive or not used
function "night"	switch combination on <b>interface</b> pcb (1,2,3,4)	active (24V)

Algorithms						
switch				DO1151A	DO1153A	DO1161A
1/G	2/F	3/E	4			
OFF	OFF	OFF	OFF	1)	1)	1)
ON	OFF	OFF	OFF	real estate 3% slow *)	1% *)	0,8% *)
OFF	ON	OFF	OFF	equipment 3% med.	0,5%	0,35%
ON	ON	OFF	OFF	equipment 3% fast	0,3%	0,25%
OFF	OFF	ON	OFF	life safety 1,5% med.	0,3% -> 0,2%	0,15%
ON	OFF	ON	OFF	life safety 1,5% fast	1)	0,15 -> 0,1%
OFF	ON	ON	OFF	life safety 1,5% slow	1)	1)
ON	ON	ON	OFF	detector test mode	detector test mode	detector test mode

1) = invalid combination; algorithm is set to \*)

Air flow monitoring							
switch		delay time		switch		range	
A	B			C	D		
OFF	ON	short	30 s	ON	OFF	small	I
ON	OFF	middle	2 min. (standard)	OFF	ON	middle	II
ON	ON	long	15 min.	OFF	OFF	large	III (standard)
OFF	OFF	very long	1 h	ON	ON	very large	IV

Fault switch	
J	
OFF	Fault not latching (standard)
ON	Fault latching until reset

Modus switch		
H	I	
OFF	OFF	normal operation (standard)
OFF	ON	direct mode normal on
ON	ON	direct mode high on

Atmospheric pressure compensation				
R34	MP1 (+)	MP2 (-)	see correction table for atm.pressure	or 2,50 V (standard)

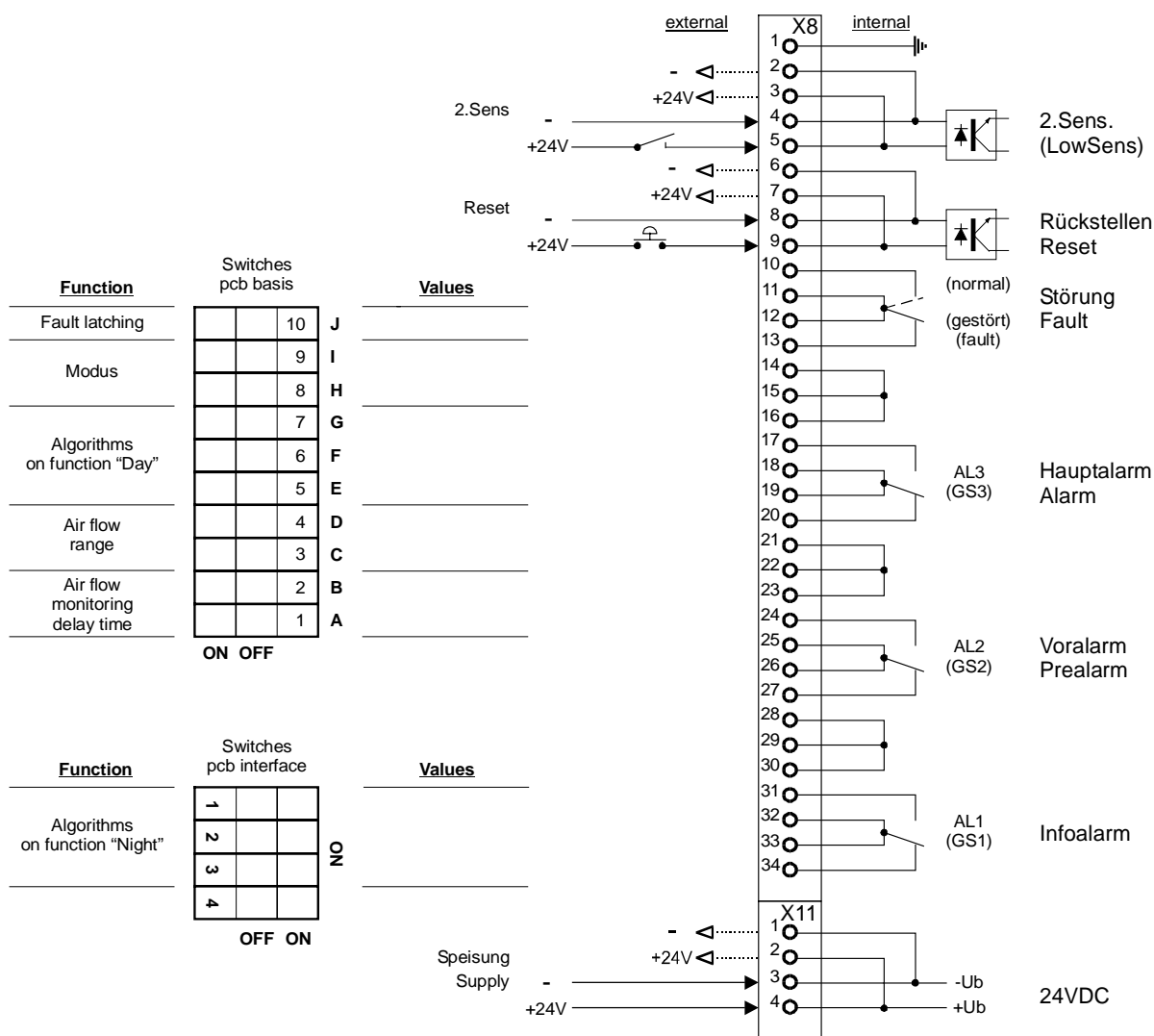
# 3 Commissioning

Initializing of airflow monitoring	
1.	press button S2 "Init"
2.	Fix cover and tighten screws. ( within the next 2 min.!) )
3.	after approx. 20 min the unit will memorise the "air flow normal" value of the tubing connected. (front LED green flashing)

## Internal LED's on Interface pcb K3I100 (below detector)

LED's				
KO	H1	gn	detector communication	normal
MA	H2	gn	detector answering	normal, short flashing
ST	H3	ye	general fault. interface pcb	
AW	H4	ye	application warning	35 / 100 sec.: detector programming
MS	H5	ye	detector fault	detector defective, try push button "Reset"

Note : Press of button "Reset" only required, when detector was changed on running unit.



## Anschlussklemmen Connection block TITANUS 3000