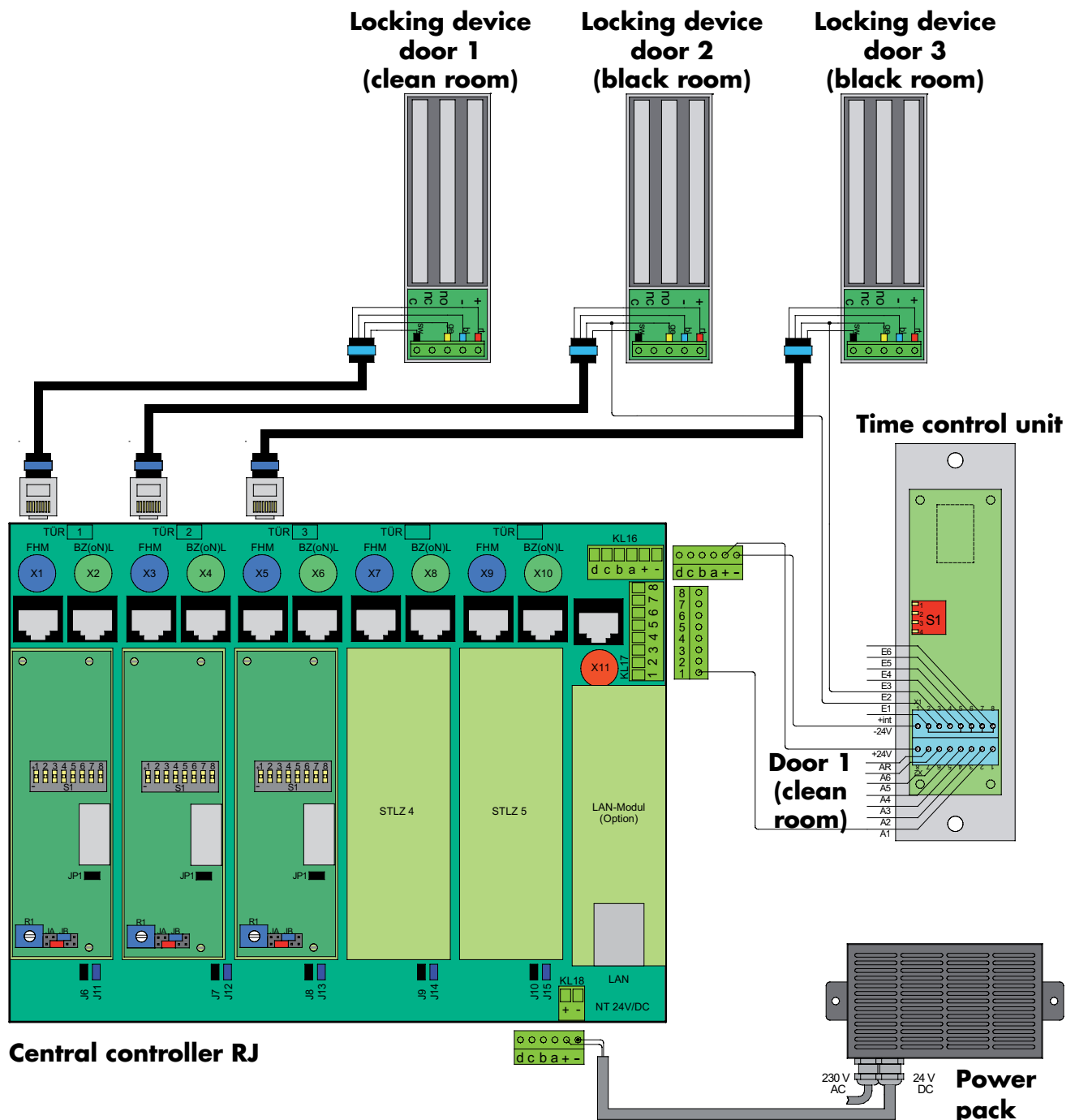## Connection of the Time Control Unit with Indication

The time control unit allows to set a time. Only when this adjustable time has run out the access doors (max. 6 clean room doors) are released. This depends on the closed corresponding "black room" doors (max. 6 pieces).

The time control unit is always connected in one central controller RJ only, even if two central controllers RJ are used in the system.

The indication shows the time in a countdown from 9 to 0 in approximately equal time segments of the total time.

Locking device door 1 (clean room)

Locking device door 2 (black room)

Locking device door 3 (black room)

Time control unit

Door 1 (clean room)

Central controller RJ

Power pack

Connection of the Time Control Unit with Indication - cont.

Example on the Previous Page	When door 2 or door 3 (black room doors) are released or opened door 1 (clean room door) is locked.

When both black room doors are closed the time control unit starts. If during this time one of the black room doors is opened, the countdown starts again. Only when the adjusted time has run out door 1 (clean room door) is released - e.g. to achieve a certain air quality/temperature in the clean room.

Connection of Black Room Doors - Terminal Strip X1

Doors defined as black room doors are always connected to the entrances E1 - E6. By default all entrances E1 - E6 with X1 terminal 2 are connected by a jumper. At the used entrances this jumper has to be cut through. At all not used entrances, however, the jumper to the X1 terminal 2 ("+int") has to remain as the time control unit only starts when all black room doors or entrances are closed.
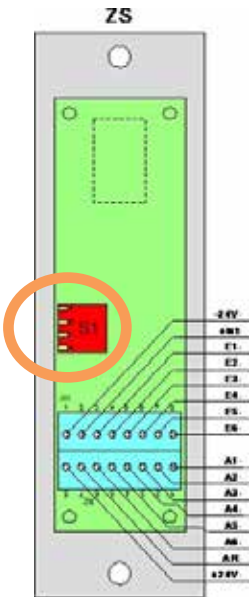
Connection of Clean Room Door - Terminal Strip X2

The clean room door(s) depending on the black room doors is/are connected to the terminals A1 - A6 of the X2 terminal strip. Not needed exits remain free!

The AR exit can be used to control an additional 24 V relay (max. 50 mA). It switches to GND.

Adjusting the Time

By default the following 15 times are programmed in the EEPROM. They are adjusted by DIP switch S1:

Position	1	2	3	4	Time	
	off	off	off	off	15s	(default setting)
	on	off	off	off	20s	
	off	**on**	off	off	25s	
	on	**on**	off	off	30s	
	off	off	**on**	off	35s	
	on	off	**on**	off	40s	
	off	**on**	**on**	off	50s	
	on	**on**	**on**	off	60s	
	off	off	off	**on**	120s	
	on	off	off	**on**	180s	
	off	**on**	off	**on**	240s	
	on	**on**	off	**on**	300s	
	off	off	**on**	**on**	420s	
	on	off	**on**	**on**	540s	
	off	**on**	**on**	**on**	660s	
	on	**on**	**on**	**on**	0s	(time control not working, LED indicator "n"**)**