

Time Switch

2 channel



2		Ref.-No.
	KNX time switch, 2 channel	2152 REG
	ETS-product family:	Time switch
	Product type:	Timer
	Series embodiment (SE)-device (2 units)	

3 The 2 channel time switch can be used as a daily or as a weekly time switch. On each channel, switching, priority, brightness values or value messages (commands) can be transmitted at determined times.

The time switch offers: 36 captive switching times which are programmable by free block formation on one, several or all weekdays.

In addition the device is already programmed ex factory with valid Middle-European switching for automatic summer/winter time switching and actual time.

If another or no switching is required, this can be programmed as described in the operating instruction.

4	Technical data:	
	Supply	
	Voltage:	24 V DC (+6 V / -4 V)
	Power consumption:	< 2 mA
	Connection:	KNX connection bus
	Power reserve:	6 years at +20°C
	Programmable:	every minute
	Memory locations:	36
	Sommer/winter:	adjustment automatically
	Protection:	IP 20
	Operation temperature:	-5°C ... +45°C
	Mounting:	on DIN rail 35 x 7.5

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Description of application

2 scenes with switching, value, priority

On each of the 2 channels you can choose between the following telegram types:

- switching telegram (1 Bit)
- priority telegram (2 Bit)
- brightness value or value telegram (8 Bit)

Cyclic transmitting can be selected for each channel, this is controlled by a common timer. In addition the possibility exists of suppressing the time switch program of the clock by control of a blocking object via the bus.

The characteristic of the blocking object and its influence on the transmission behaviour of the individual channel objects can be adjusted by parameters.

This could be an ideal application for private homes or smaller KNX projects.

During a switching time, up to four telegrams (commands) can be transmitted via bus on one channel (end of a working day: switch off main lighting, drive shutter down, lower ambient temperature, lock external doors).

These additional objects can be a 1 or 2 Bit or a 1 Byte type.

Objects

Number of addresses:	11
Number of assignments:	11
Communication objects:	9

Object	Name	Function	Type	Flag
Scene – objects channel 1, operation mode: switching				
0	Channel 1 – object 1	Send switching telegram	1 Bit	C, R, T
1	Channel 1 – object 2	Send switching telegram	1 Bit	C, R, T
2	Channel 1 – object 3	Send switching telegram	1 Bit	C, R, T
3	Channel 1 – object 4	Send switching telegram	1 Bit	C, R, T
Scene – objects channel 2, operation mode: switching				
4	Channel 2 – object 1	Send switching telegram	1 Bit	C, R, T
5	Channel 2 – object 2	Send switching telegram	1 Bit	C, R, T
6	Channel 2 – object 3	Send switching telegram	1 Bit	C, R, T
7	Channel 2 – object 4	Send switching telegram	1 Bit	C, R, T
Scene – objects channel 1, operation mode: value transmitter				
0	Channel 1 – object 1	Send value telegram	1 Byte	C, R, T
1	Channel 1 – object 2	Send value telegram	1 Byte	C, R, T
2	Channel 1 – object 3	Send value telegram	1 Byte	C, R, T
3	Channel 1 – object 4	Send value telegram	1 Byte	C, R, T
Scene – objects channel 2, operation mode: value transmitter				
4	Channel 2 – object 1	Send value telegram	1 Byte	C, R, T
5	Channel 2 – object 2	Send value telegram	1 Byte	C, R, T
6	Channel 2 – object 3	Send value telegram	1 Byte	C, R, T
7	Channel 2 – object 4	Send value telegram	1 Byte	C, R, T
Scene – objects channel 1, operation mode: priority				
0	Channel 1 – object 1	Send priority telegram	2 Bit	C, R, T
1	Channel 1 – object 2	Send priority telegram	2 Bit	C, R, T
2	Channel 1 – object 3	Send priority telegram	2 Bit	C, R, T
3	Channel 1 – object 4	Send priority telegram	2 Bit	C, R, T
Scene – objects channel 2, operation mode: priority				
4	Channel 1 – object 1	Send priority telegram	2 Bit	C, R, T
5	Channel 1 – object 2	Send priority telegram	2 Bit	C, R, T
6	Channel 1 – object 3	Send priority telegram	2 Bit	C, R, T
7	Channel 1 – object 4	Send priority telegram	2 Bit	C, R, T
Blocking function				
8	Blocking	Receive blocking telegram	1 Bit	C, W, T