

Communication objects - KNX-Card 3260702 ↔ SmartBoard from Rev.1.024/1.124

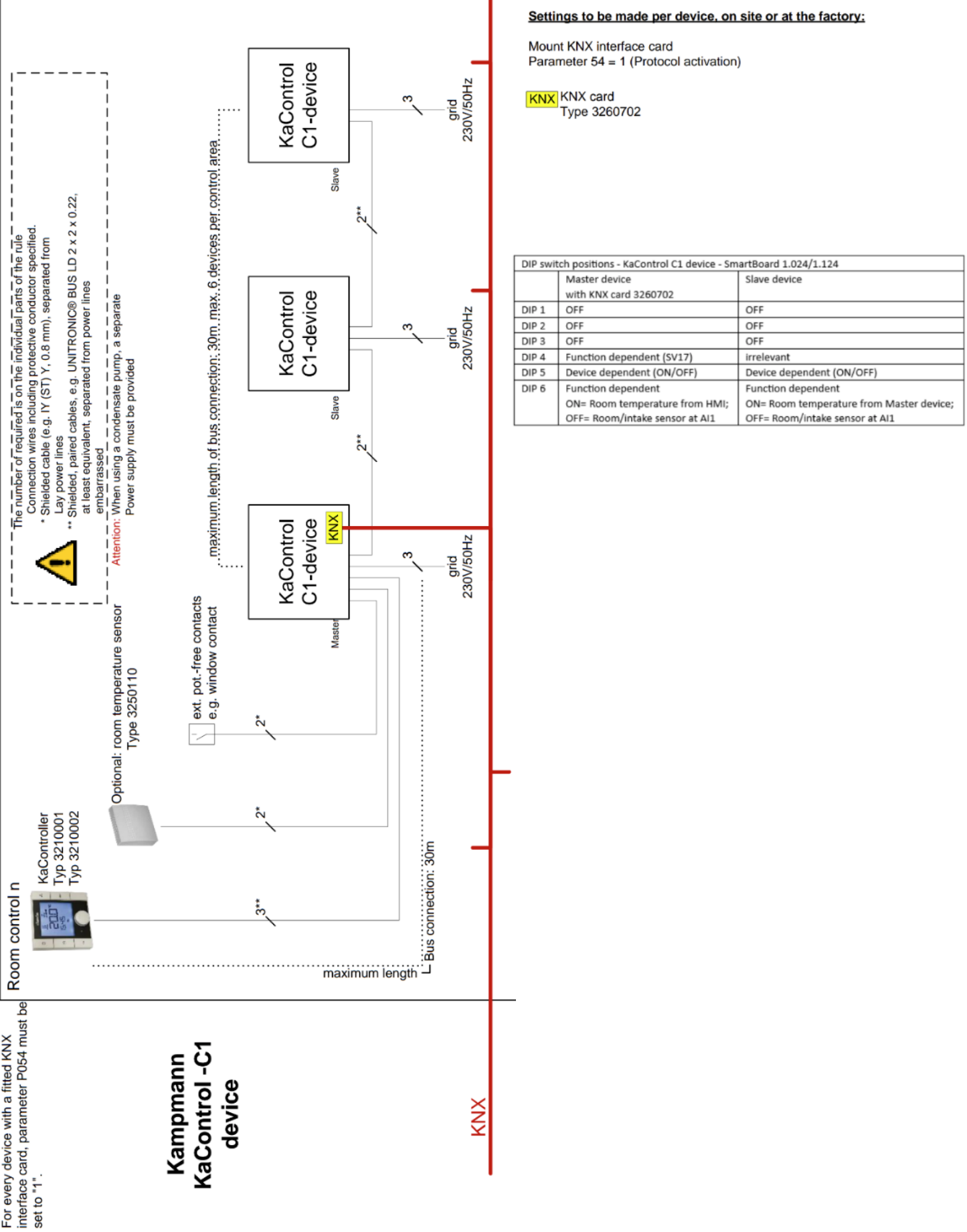
KaController / room sensor available

name		index	DCA		KNX DPT	FLAGS	comment
			A	B			
SV01	Temperature sensor AI1	70	0,1	0	9.001	KL-Ü-	Room sensor on AI1, DIP 6 = Off
SV02	Temperature sensor OU	71	0,1	0	9.001	KL-Ü-	Sensor in the OU, DIP 6= On
SV05	Control sensor	74	0,1	0	9.001	KL-Ü-	selected control sensor value (AI1/OU)
SV08	Fan output	77	1	0	5.004	KL-Ü-	0-100% (0-255)
SV17	Operating mode	198	1	0	5.005	KLSÜA	DIP 4 = Off! 0 = Automatic 2 = cooling 4 = ventilation 5 = heating
SV18	Fan stage preselection	199	1	0	5.005	KLSÜA	Stage preselection 0 = Off 1 = Stage 1 2 = Stage 2 3 = Stage 3 4 = Stage 4 5 = Stage 5 6 = automatic
SV20	Device ON/OFF	201	-	-	1.001	KLSÜA	0 = Off; 1 = ON
SV23	Device malfunction (Master Alarm)	204	1	0	5.005	KL-Ü-	0 = no malfunction 1 = control sensor faulty 2 = local stop (motor fault) 3 = room frost protection 4 = condensate alarm 5 = general alarm 6 = sensor AI1, AI2, or AI3 faulty 7 = unit frost protection 8 = EEPROM faulty
SV28	Digital message	209	1	0	5.005	KL-Ü-	Digital inputs: Bit 0 → 1 = input DI1 Bit 1 → 2 = input DI2 Bit 2 → 4 = input AI1 Bit 3 → 8 = input AI2 Bit 4 → 16 = input AI3 Bit 5 → 32 = heating requirement Bit 6 → 64 = cooling request Bit 7 → 128 = reserved
SV29	Switch between eco/day	210	-	-	1.001	KLSÜA	0=Day; 1=Eco
SV30	Setpoint	211	1	0	9.001	KLSÜA	Increment 1K, e.g. 22°C

Note:

- Data points written in red must be made available by the KNX
- Temperature recording via KaController / ext. Room sensor (AI1) absolutely necessary.

Connection concept - KaController / room sensor available



Room sensor from the KNX

name		index	DCA		KNX DPT	FLAGS	comment
			A	B			
SV06	room temperature sensor	75	0,1	0	9.001	KLSÜA	DIP 6 = OFF! Actual value from KNX
SV08	Fan output	77	1	0	5.004	KL-Ü-	0-100% (0-255)
SV17	Operating mode	198	1	0	5.005	KLSÜA	DIP 4 = Off! 0 = Automatic 2 = cooling 4 = ventilation 5 = heating
SV18	Fan stage preselection	199	1	0	5.005	KLSÜA	Stage preselection 0 = Off 1 = Stage 1 2 = Stage 2 3 = Stage 3 4 = Stage 4 5 = Stage 5 6 = automatic
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SV28	Digital message	209	1	0	5.005	KL-Ü-	Digital inputs: Bit 0 → 1 = input DI1 Bit 1 → 2 = input DI2 Bit 2 → 4 = input AI1 Bit 3 → 8 = input AI2 Bit 4 → 16 = input AI3 Bit 5 → 32 = heating requirement Bit 6 → 64 = cooling request Bit 7 → 128 = reserved
SV29	Switch between eco/day	210	-	-	1.001	KLSÜA	0=Day; 1=Eco
SV30	Setpoint	211	1	0	9.001	KLSÜA	Increment 1K, e.g. 22°C

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Insert resistor: - 1 kOhm between V + and GND
- 10 kOhm between AI1 and GND

