

## iCall Relay for iCall 205/206 SIP-unit



### General description

The new iCall relay unit can be used in combination with the iCall SIP 205/206 units. The relays are managed by the handsets and multimedia handset connected to the iCall 205/206 SIP-unit. In total there are 4 relays that can be managed. Two relays for the light management and two relays for the sun blind management. This relay unit is connected to the local bus of the iCall 205/206 SIP-unit and is not counted in the maximum of 50 local bus participants. If the SIP unit is powered with POE, this unit is included in the maximum of 5 connected local bus

### Features


- 2 relays for light management
- 2 relays for sun blind management
- Is connected to the flexible local bus wiring and can be placed close to the light management unit
- Max 1A rating on the contact
- Maximum 24V DC rating on the contact
- 3 contacts support normal open and normal close contact, 1 contact support normal open
- If SIP-unit is powered on POE, the relay unit counts as one of maximum 5 local bus participants
- Easy removable bus connector
- Wall mounting possibility

### Order information

- NWCAIN1400 iCall Relay for iCall 205/206 SIP-unit

## Specifications

- Voltage 24 V DC
- Power consumption Max. 40 mA (on the local bus)
- Contact current Max. 1A
- Contact voltage Max. 24V DC
- Contact power Max. 24W

Version		HW: iCall_LB-Relay v1.0 SW: LB_Relay-1_0						
iCall Relay for iCall 205/206								
Mechanical properties								
	Parameter			min	typ	max	unit	
	Dimensions	L x W x H	metric	-	46 x 45 x 18	-	mm	
		L x W x H	non-metric	-	1.81" x 1.77" x 0.71"	-	" (inch)	
	Weight	Total Assembly	metric	-	31	-	gr	
			non-metric	-	1,08	-	oz.	
Material	Housing Material	Type of material	ABS			-		
		Tensile Elongation	-	15	-	%		
		Tensile Strength	-	500	-	Kg/cm2		
			-	7090	-	lb/in2		
		Vicat Softening Temp	-	105	-	°C		
			-	221	-	°F		
	PCB	Type of material	impact strength (1/4", 23°C)	-	14	-	Kg-cm/cm	
			FR-4, Td>=325°C, T260>=60', T288>=5', CTEz<=3.7%, Tg>=135°C				-	
	General Electrical properties							
	Symbol	Parameter	State		min	typ	max	unit
V <sub>cc</sub>	Operating Voltage			18	24	30	V dc	
I <sub>f</sub>	Forward Supply Current	no Relay active		8,63	8,67	8,77	mA	
		1 Relay active		13,6	15,10	16,7	mA	
		4 Relay active		28,7	33,88	40,1	mA	
P <sub>t</sub>	Power Consumption	no Relay active		155	208	263	mW	
		1 Relay active		245	362	501	mW	
		4 Relay active		517	813	1203	mW	
T <sub>a</sub>	Operating temperature			-20	-	65	°C	
				-4	-	149	°F	
Relay Contact Electrical properties								
Contact data	Construction			Single (cross bar)			-	
	Material			Gold overlay silver palladium			-	
	Resistance	@ 1A, 6VDC		Max. 100			mA	
	Contact rating			0,5A, 120VAC or 1A, 24VDC			-	
	Max. switching current			1			A	
	Max. Switching voltage			120VAC / 60VDC			V	
	Max. switching power			60AV / 24W			-	
	Min. Switching load			1mA, 1VDC			-	
	Capacitance		between open contacts		Approx. 1,4p			F
Thermal properties								
Group	Symbol	Parameter	refers to	min	typ	max	unit	
Thermal	T <sub>amb</sub>	Operating temperature	ambient	0	25	45	°C	
				32	77	113	°F	
	-	flamability rating UL94	plastic		1/16"HB			-
Regulations								
Parameter			condition	Compliance				
EMC (immunity, radiated , conducted)			pending	net yet performed				
ESD			pending	not yet performed				
FCC			-	-				

## Connections

