

iCall 450 ST-T V2.0

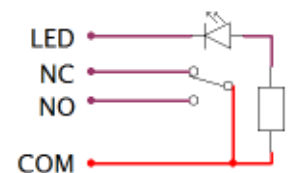
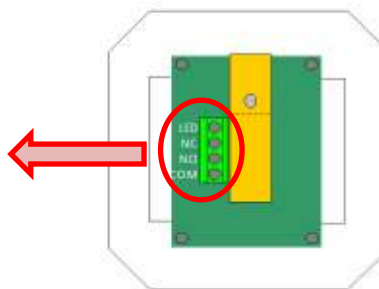
This new iCall 450 ST-T V2.0 button is developed as replacement of the previous ST-T with some new features, it supports normal open and normal close contact. The new internal spring and rubber seal result in an IP44 level and better user experience.

**Features**

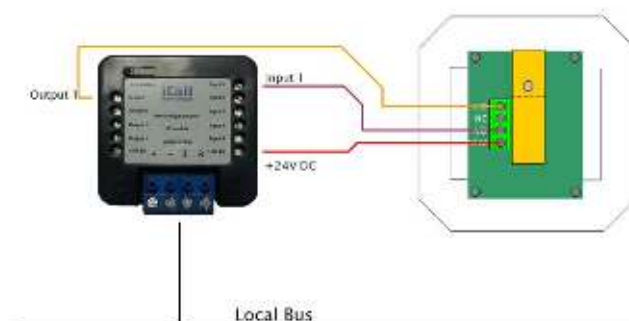
- Normal Open contact
- Normal Closed contact
- Red reassurance LED
- 24V powered
- Pull cord (2M) with safety break-away
- IP44 level

Connections

LED: LED ground connection
NC: Normal closed contact
NO: Normal open contact
COM: Common contact (+24VDC)



Connecting Normal Open contact to IO station



Remark: Input 1 is programmed as Normal Open Contact

Connecting Normal Closed contact to IO station



Remark: Input 1 is programmed as Normal Closed Contact

Order information

NWBAES4500 iCall 450 ST-T V2.0

Version

HW: iCall_ST-T V2.0

SW: Not Applicable



iCall ST-T V2.0

General Absolute Maximum Ratings !

			min	typ	max	unit
	Supply Voltage	V _{cc}	18	24	30	V
	Supply Current forward	I _f	-	-	-	mA
	Operating Temperature (ambient)	T _{amb}	0	-	65	°C
	Maximum reverse voltage	V _r	-	40	-	V
	Leakage current (reverse) max 6V for LED!	I _r	-	10	-	µA

Mechanical properties

	Parameter			min	typ	max	unit
	Dimensions (Total Assembly)	L x W x H	metric	-	71 x 71 x 30	-	mm
		L x W x H	non-metric	-	27,95" x 27,95" x 11,81"	-	" (inch)
		L x W x H	non-metric	-	2795 x 2795 x 1181	-	mils
	Weight	PCB	pounds	-	0,0176	-	lbs
			metric	-	0,0080	-	kg
		Pull strings	pounds	-	0,0386	-	lbs
			metric	-	0,0175	-	kg
		Total Assembly	pounds	-	0,1598	-	lbs
			metric	-	0,0725	-	kg
		lense	Type of material	TARFLON AZ1900T.pdf			-
		Plastic cover	Type of material	thermoplastic (Gira-55)			-
	PCB	Type of material	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 _{cc}	Operating Voltage	-	18	24	30	V dc
I _f	Forward Supply Current (Idle)	@18V dc supply	-	0,00	-	mA
		@24V dc supply	-	0,00	-	mA
		@30V dc supply	-	0,00	-	mA
I _f	Forward Supply Current (Call) <u>LED on</u>	@18V dc supply	-	2,03	-	mA
		@24V dc supply	-	3,25	-	mA
		@30V dc supply	-	2,58	-	mA
P _t	Power Consumption (Idle)	@18V dc supply	-	0	-	mW
		@24V dc supply	-	0	-	mW
		@30V dc supply	-	0	-	mW
P _t	Power Consumption (Call) <u>LED on</u>	@18V dc supply	-	37	-	mW
		@24V dc supply	-	78	-	mW
		@30V dc supply	-	77	-	mW
T _a	Operating temperature		-20	-	65	°C
			-4	-	149	°F

Operation / button specific properties

Parameter		min	typ	max	unit
Control buttons	type				
	LED				
			Pull string		
			Call (toilet) ; Call following ; Assistance ; Urgence		
Pull string	Activation force perpundicular (vertically downwards)	min	typ	max	
		-	6,67	-	N
		-	0,68	-	kg
		-	1,499128	-	lbs

Additional Components

Component	Use	min	typ	max	unit
Pull String	Safety Break-away Force	-	20	-	kg
	(measurement doc)	-	44,1	-	lbs
	Material patient cord	PVC cord with PES-core: diameter 2,7 +/- 0,1 mm			
	Couple cord (piece before safety break-away)	PES, diameter 1,3 mm			

Regulations

Parameter	condition	Compliance
VDE 834-1 & 834-2	conform	meets regulatory
EMC (immunity, radiated , conducted)	conform	iCall DECLARATION OF CONFORMITY.doc.pdf
ESD	conform	iCall DECLARATION OF CONFORMITY.doc.pdf
FCC	-	not yet performed