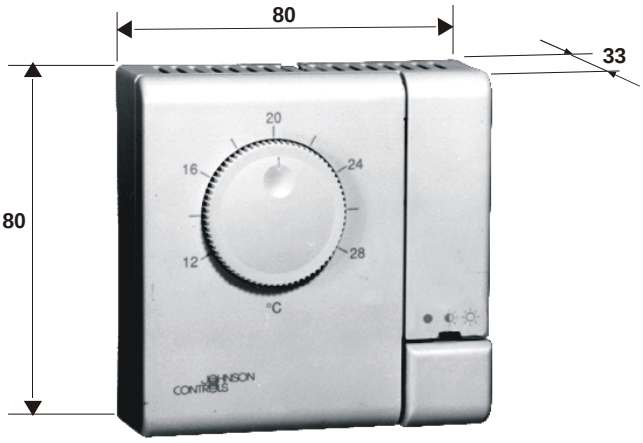
JOHNSON CONTROLS

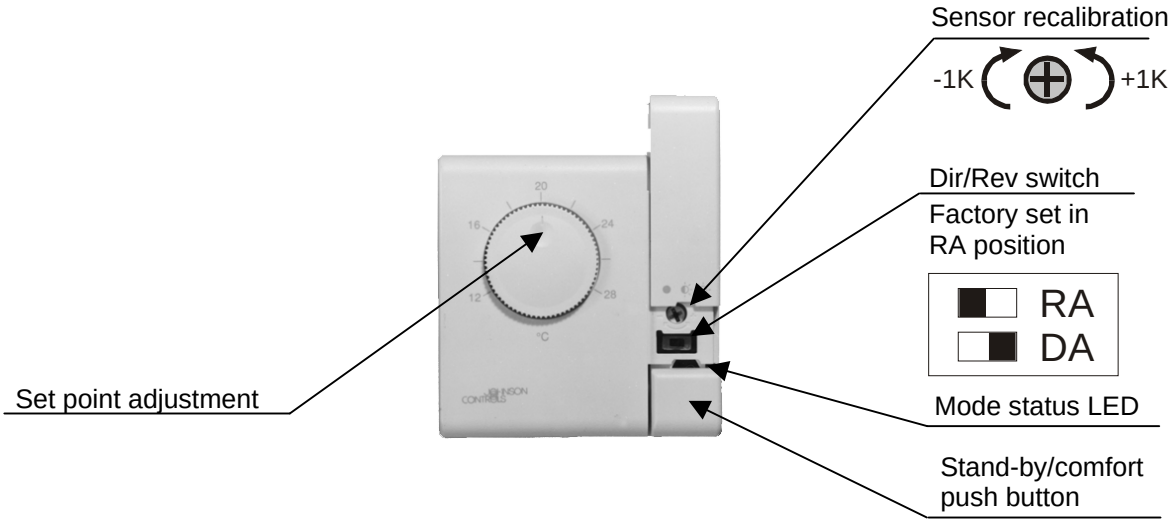
TC-8901/3/4/6 All-in-one Controller Unit
INSTALLATION INSTRUCTIONS

Mounting

1. Remove the base of the module from the cover by inserting a pointed tool (a special tool, Ordering Code TM-9100-8900, is available from Johnson Controls) into the small hole at the center top of the cover .
2. While pressing down gently, prise the base away from the cover.
3. As the two parts separate, remove the tool and continue to pull the cover away from the base until the cover is in free.
4. Mount the base on the wall to cover the electrical output and secure with at least two screws.



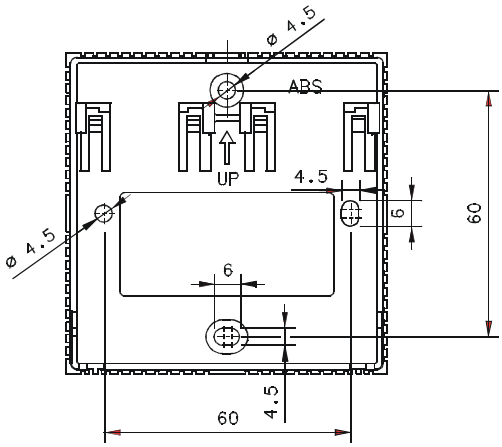
Front description TC-8900 Controllers Units



LED Status		Mode Status
	on	occupied
	blinking	stand-by
	off	window open

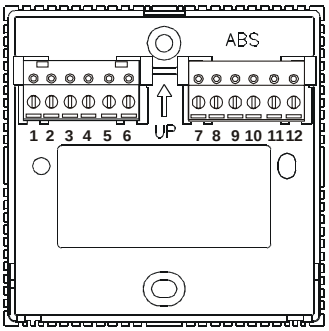
Supply	24 VAC ± 15% 50/60Hz
TC-8901 Output	0…10V 10mA max.
TC-8903/4/6 Output	Triac Output 24 VAC 0.5A max.
Ambient operating temp.	0…50°C
Humidity	10…95% not condensing
CE Compliance	EMC(89/336 EEC) according to standard EN 61000-6-3 and EN61000-6-1

TC-8900 Dimensions

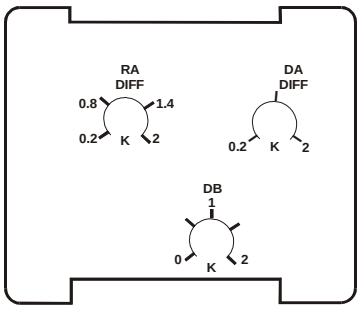


TC-8930 All-in one Controller Unit

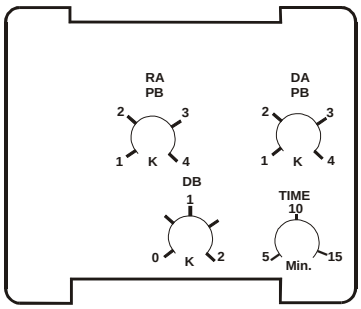
TC-8900 Separate Connectors



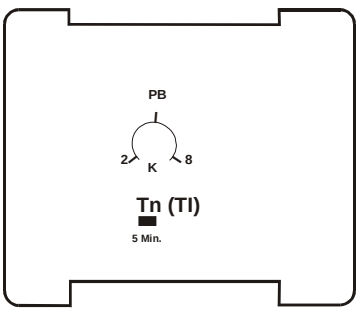
Back description



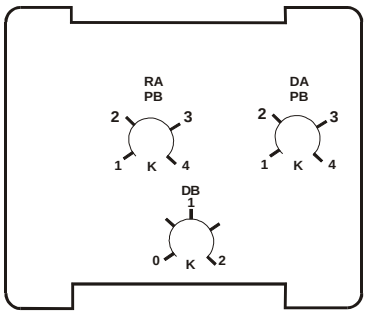
TC-8936 (ON/OFF)



TC-8934 (DAT)



TC-8933 (PAT)



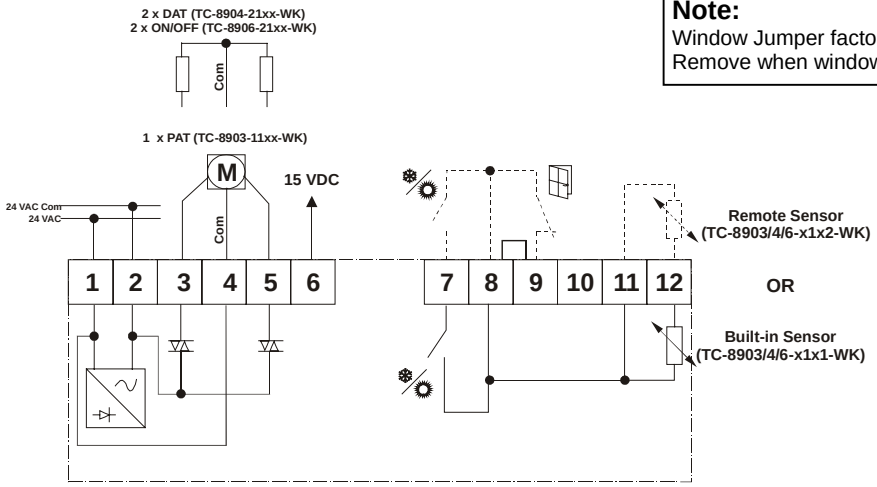
TC-8931 (0…10V)

Wiring

Models	Diagram n°
TC-8903-1131-WK	1
TC-8901-2131-WK	2
TC-8904-2131-WK	1
TC-8906-2131-WK	1
TC-8903-1132-WK	1
TC-8901-2132-WK	2
TC-8904-2132-WK	1
TC-8906-2132-WK	1

Models	Diagram n°
TC-8903-1151-WK	1
TC-8903-1152-WK	1
TC-8903-1183-WK	1A
TC-8901-1283-WK	2A
TC-8901-2162-WK	2

Diagram1



Note:
Window Jumper factory set.
Remove when window input is used.

Diagram1A

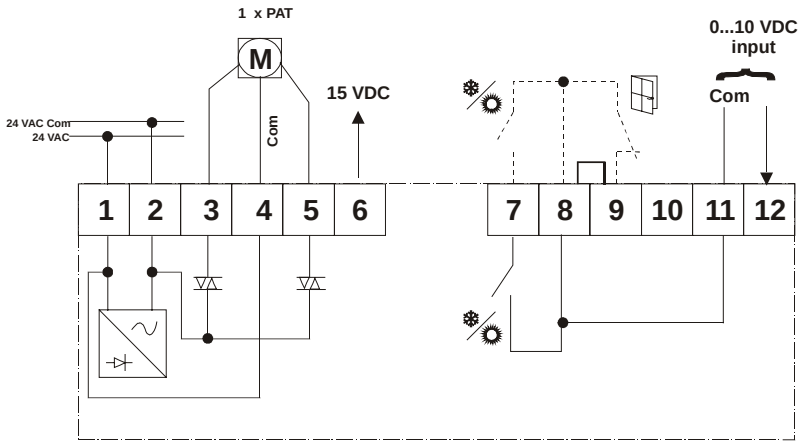


Diagram 2

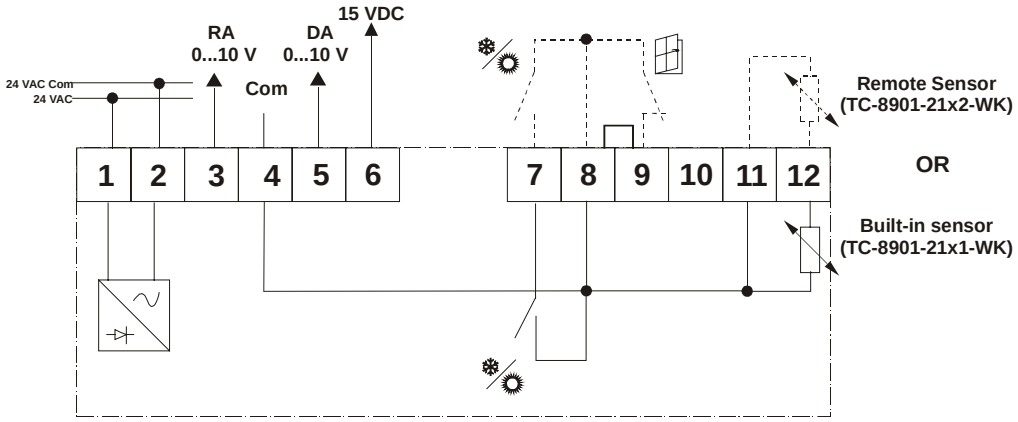
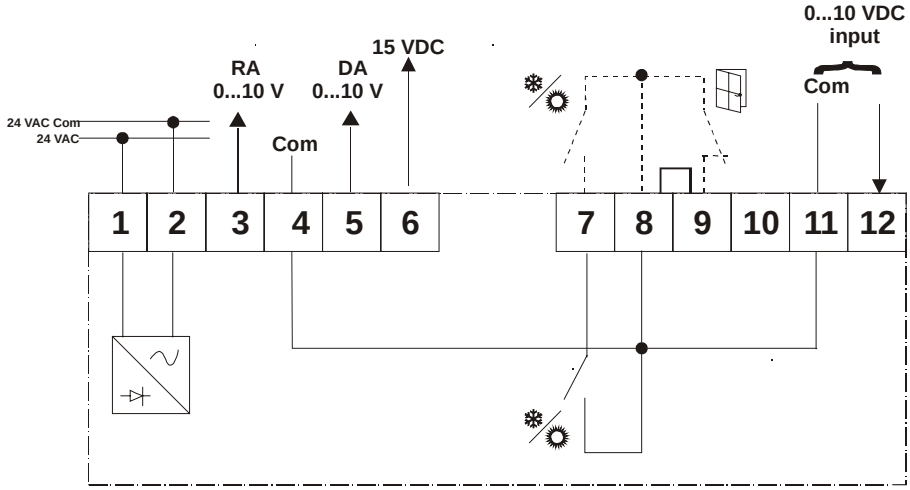
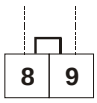


Diagram 2A



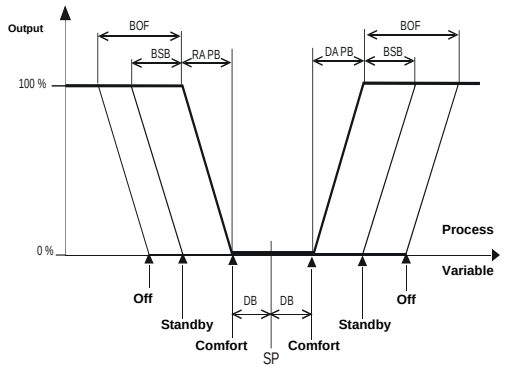
Note:
Window Jumper factory set.
Remove when window input is used.



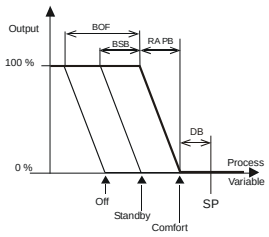
Operation

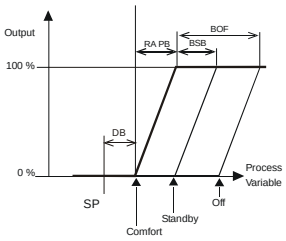
PB: Proportional band; **DB**: Dead band;
Tn: Integral time for PAT**; Time:** Time base for DAT
Diff: Differential for on/off control

2x0…10V Outputs (e.g. 4-pipe system)



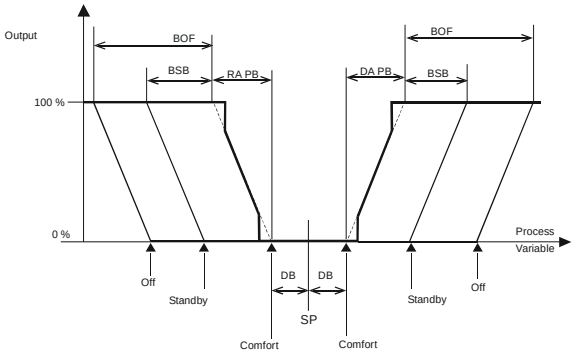
1x0…10V DA or RA Output (2-pipe system with change-over, use the "RA" output of the controller)



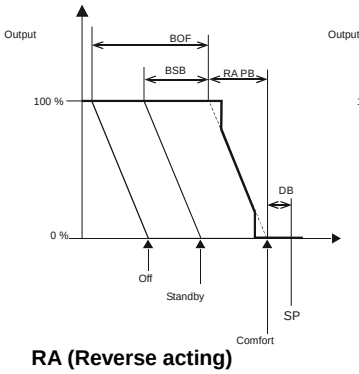


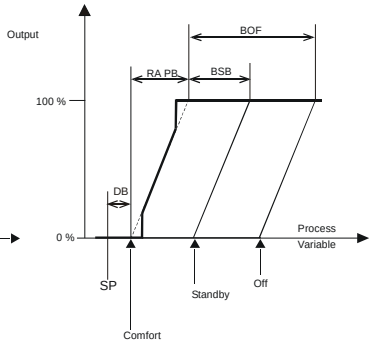
RA (Reverse acting) **DA (Direct acting**

2XDAT Outputs (e.g. 4-pipe system)



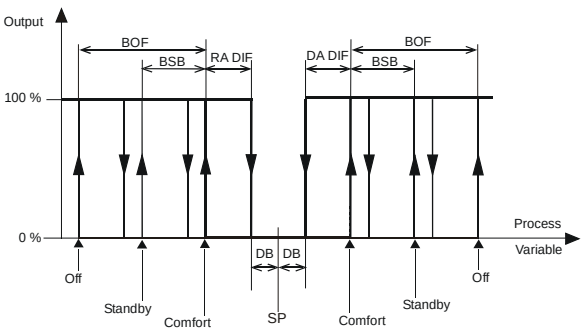
1XDAT DA or RA Output (2-pipe system with change-over, use the "RA" output of the controller)



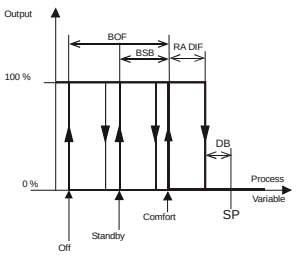


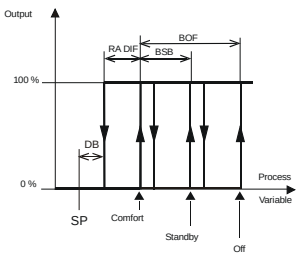
RA (Reverse acting) **DA (Direct acting)**

2xOn/Off Outputs (e.g. 4-pipe system)



1xOn/Off DA or RA Output (2-pipe system with change-over, use the "RA" output of the controller)





RA (Reverse acting) **DA (Direct acting)**

*N*ote: