



Analog room controller

TC-8900 - PM-8900

Room thermostats

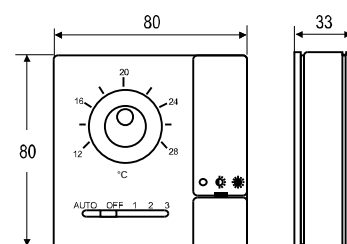
TC-8900 is a family of analogue controllers designed for control of fan coils with 2-pipe, 2-pipe with change-over, 2-pipe with electrical coil or 4-pipe configurations.

For applications without fan speed control the family includes stand alone units (TC-890x), local controllers (TC-893x) with remote setpoint module (ES-8930) and local controllers (TC-894x) with central setpoint module (ES-8940).

For applications with fan speed control the family includes the PM-8900 power modules in connection with TC-894x with or without central setpoint module (ES-8940).

Features

- ▶ 2-pipe, 2-pipe with change-over, 2-pipe with electrical coil or 4-pipe configurations with and without 3-speed fan override
- ▶ 80 x 80 mm room enclosures
- ▶ Temperature dial ranges 12...28 °C, +/-
- ▶ 24 VAC power supply for the TC-8900 controls, 230 VAC in connection the the PM-8900 power module



Dimensions in mm

Ordering information

TC-890x stand alone controllers

Codes	Built-in NTC K10 sensing element	Setpoint range	Input	Fan output	Outputs			
			0...10 V		PAT	0...10 V	DAT	On/Off
TC-8903-1131-WK	●	12...28 °C	---	---	1	---	---	---
TC-8901-2131-WK					---	2	---	---
TC-8904-2131-WK					---	---	2	---
TC-8906-2131-WK					---	---	---	2
TC-8903-1132-WK	---	12...28 °C	---	---	1	---	---	---
TC-8901-2132-WK					---	2	---	---
TC-8904-2132-WK					---	---	2	---
TC-8906-2132-WK					---	---	---	2
TC-8903-1151-WK	●	0...40 °C	---	---	1	---	---	---
TC-8903-1152-WK					1	---	---	---
TC-8903-1183-WK	---	0...100%	●	---	1	---	---	---
TC-8901-2183-WK					---	2	---	---

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TC-8900 - PM-8900

Ordering information

TC-893x local controllers with ES-8930-3031-WK remote setpoint module

Codes	Built-in NTC K10 sensing element	Setpoint range	Fan output	Outputs			
				PAT	0...10 V	DAT	On/Off
TC-8933-1112-W	---	---	---	1	---	---	---
TC-8931-2112-W				---	2	---	---
TC-8934-2112-W				---	---	2	---
TC-8936-2112-W				---	---	---	2
ES-8930-3031-WK	•	12...28 °C		---	---	---	---

TC-894x local controllers with ES-8940 central setpoint module

Codes	Built-in NTC K10 sensing element	Setpoint range	Fan output	Outputs			
				PAT	0...10 V	DAT	On/Off
TC-8943-1141-WK	•	+/-	---	1	---	---	---
TC-8941-2141-WK				---	2	---	---
TC-8944-2141-WK				---	---	2	---
TC-8946-2141-WK				---	---	---	2
ES-8940-4130-WK	---	12...28 °C		---	---	---	---

TC-894x local controllers with ES-8940 central setpoint module

Codes	Built-in NTC K10 sensing element	Setpoint range	Fan output	Outputs	Power module codes	Configuration	
TC-8902-1031-WK	●	12...28 °C	3 Speed	1 x 0...10 VDC 1 x DAT 230 V 1 x DAT 24 V	PM-8902-0500 PM-8905-0300 PM-8905-0500	2 pipe with change over	
TC-8907-1031-WK				1 x Relay 3A 230 V/24 V	PM-8907-0300		
TC-8902-2031-WK				2 x 0...10 VDC 2 x DAT 230 V 2 x DAT 24 V	PM-8902-0500 PM-8905-0300 PM-8905-0500	4 pipe	
TC-8907-2031-WK				2 x Relay 3A 230 V/24 V	PM-8907-0300		
TC-8902-1032-WK	---				1 x 0...10 VDC 1 x DAT 230 V 1 x DAT 24 V	PM-8902-0500 PM-8905-0300 PM-8905-0500	2 pipe with change over
TC-8907-1032-WK				1 x Relay 3A 230 V/24 V	PM-8907-0300		
TC-8902-2032-WK				2 x 0...10 VDC 2 x DAT 230 V 2 x DAT 24 V	PM-8902-0500 PM-8905-0300 PM-8905-0500		
TC-8907-2032-WK				2 x Relay 3A 230 V/24 V	PM-8907-0300		
TC-8942-2041-WK (only in connection with ES-8940-4130-WK)	●	+/- on local controller TC-89, 12...28 °C on ES-8940 central setpoint module		2 x 0...10 VDC 2 x DAT 230 V 2 x DAT 24 V	PM-8902-0500 PM-8905-0300 PM-8905-0500	4 pipe	
TC-8947-2041-WK (only in connection with ES-8940-4130-WK)			2 x Relay 3A 230 V/24 V	PM-8907-0300			