

IC 917/PID (SSR)

PID 32x74 cold/hot thermostats



Codes	Description	Probe*	Power supply
IC12DI0TMD700	IC 917/PID	NTC/PTC	230V~
IC12ZI0TMD700	IC 917/PID	TC/Pt100	230V~
IC1RDI0TMD700	IC 917/PID SSR	NTC/PTC	230V~
IC1RZI0TMD700	IC 917/PID SSR	TC/Pt100	230V~

*selectable by parameter

Applications

IC 917 controllers are electronic two-step devices, either dependent or independent, ON/OFF action, PD, PID, Soft Start function and Autotuning.

Common features

Container	PC+ABS UL94 V-0 plastic resin casing, polycarbonate display window, thermoplastic resin buttons	Operating temperature	-5...55°C
Dimensions	front panel 74x32mm, depth 59mm	Storage temperature	-30...85°C
Installation	panel mounting with 71x29mm (+0.2/-0.1mm) drilling template	Ambient humidity for operation and storage	10...90% RH (non-condensing)
		Soft Start Function	present

Technical data

	IC 917/PID NTC/PTC (SSR)	IC 917/PID TC/Pt100 (SSR)
Display range:	<ul style="list-style-type: none"> • NTC probe: -50.0...110.0 °C • PTC probe: -55.0...140.0 °C 	<ul style="list-style-type: none"> • Pt100 probe: -150...650 °C • TcJ probe: -40...750 °C • TcK probe: -40...1350 °C
Display:	3 and a half digits + sign	3 and a half digits + sign
Analogue inputs:	1 PTC or NTC *	1 Pt100 or 1 TcJ/TcK*
Digital inputs:	1 clean contact at extra low safety voltage	1 clean contact at extra low safety voltage
Connections:	TTL port for connection to Copy Card	TTL port for connection to Copy Card
Digital outputs:	1 SPDT 8(3)A 1/2hp 250V~ • 1 SPST 8(3)A 1/2hp 250V~ SSR models: please see wiring diagram	2 SPST 8(3)A 1/2hp 250V~ SSR models: please see wiring diagram
Measurement range:	from -55 to 140°C	from -150 to 1350°C
Accuracy:	better than 0.5% of end of scale+1 digit	Pt100: 0.5% for whole scale + 1 digit, 0.2% from -150 to 300°C TcJ: 0.4% for whole scale + 1 digit TcK: 0.5% for whole scale + 1 digit, 0.3% from -40 to 800°C
Resolution:	0.1°C (0.1°F) up to 199.9°C, 1°C (1°F) over	Pt100: 0.1°C (0.1°F) up to 199.9°C, 1°C (1°F) over TcJ: 0.1°C (0.1°F) up to 199.9°C, (1°F) over TcK: 0.1°C (0.1°F)
Power consumption:	<ul style="list-style-type: none"> • 1.5W for 12V~ model • 3W for 230V~ model 	<ul style="list-style-type: none"> • 1.5W for 12V~ model • 3W for 230V~ model
Power supply:	<ul style="list-style-type: none"> • 12V~/±10% 50/60Hz • 230V~/±10% 50/60Hz 	<ul style="list-style-type: none"> • 12V~/±10% 50/60Hz • 230V~/±10% 50/60Hz
Alarm:	optional	optional

* selectable by parameter

Wiring diagrams

