

HiTECH

Technologies, Inc.

UNICONT PKK-312

**Current Controlled Switch/
Process Control Power Supply**

Model PKK-312

**Current Setpoint Control
Built-in Power Supply & optional I.S. Barrier**

ADVANTAGES

Low Cost

Easy to Install

Mounting

Standard DIN Rail

Plus Screw thru Bracket

Rugged & Maintenance- Free

Programmable

Trip point

Differential

Deadband

Time delay

Input current

EEx ia version available

Power relay output (SPDT, 8A rated)



The UNICONT model PKK-312 is the perfect industrial programmable setpoint current trip. Designed for function, in a compact package - the PKK comes is suitable for mounting on a DIN rail or a control panel.

For use as a setpoint switch, 24 V DC power supply, I. S. (intrinsically safe) power supply or a combination; this versatile unit is the right choice for all your process control requirements.

HiTECH Technologies, Inc.

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SPECIFICATIONS

TYPE	PKK-312-o	
Nominal input current range	1 ... 22 mA	
Accuracy of switching level/threshold level	± 0,1 mA	
Discontinuity threshold/Lower value fault current	3,7 mA	
Short circuit threshold/Upper value fault current	22 mA	
Input impedance	10 $\bar{\Omega}$	
Input overload capability	maximum 100 mA (permanent)	
Damping	0,1 s; 1 s; 2 s; 5 s selectable	
Relay	- Output	1 piece SPDT
	- Rating	250 V AC, 8 A, AC1
	- Insulation strength	4000 V 50 Hz
	- Electrical / Mechanical life time	10 ⁶ / 2 x 10 ⁶ switching
Electrical connection	max. 2,5 mm ² twisted or maximum 4 mm ² single cable	
Mechanical connection	DIN EN 50022-35 rail mounted	
Ingress protection	IP 20	
Mass	≈ 0,21 kg	

PERFORMANCE GUARANTEE

Since 1986, every instrument sold by **HITECH** has been guaranteed to perform in the application it originally was engineered and recommended for. Our company policy remains the same, every product sold comes with a **written performance guarantee**.

Should the equipment be unable to perform satisfactorily in your application and we are not able to correct the problem, we will accept the instrument in return and issue full credit.

This performance guarantee is valid for 60 days. Thereafter, our standard limited two years factory warranty goes into effect.

TYPE	EX APPROVED MODELS					ORDINARY MODELS			
	PKK-312-1 Ex	PKK-312-6 Ex	PKK-312-9 Ex	PKK-312-7 Ex	PKK-312-8 Ex	PKK-312-1	PKK-312-2	PKK-312-3	PKK-312-4
Power supply range	230 V AC±10% 0...60 Hz	110 V AC±10% 0...60 Hz	24 V AC±10% 50...60 Hz	24 V AC±10%, 50...60 Hz, 24 V DC ±15%		230 V AC±10% 50...60 Hz	110 V AC±10% 50...60 Hz	24 V AC±10% 50...60 Hz	24 V AC±10%, 50...60 Hz, 24 V DC ±15%
Power consumption	< 2,5 VA			< 2,5 VA ; < 2,5 W		< 2,7 VA ; < 2,5 W			
Switching levels	2 values in the range of 1 ... 22 mA			10,5 mA 12,5 mA		2 values in the range of 1 ... 22 mA			
Ex protection mark	⊕ II (1) G [EEEx ia] IIB			⊕ II (1) G [EEEx ia] IIC		-			
Intrinsically safe maximum values	U ₀ < 28,4 V; I ₀ < 140 mA; P ₀ < 1,1 W; L ₀ < 6 mH; C ₀ < 50 nF		U ₀ < 28,4 V; I ₀ < 80 mA; P ₀ < 0,6 W L ₀ < 4 mH; C ₀ < 50 nF			-			
Output load capability	I _T =22 mA when U _{OUT} ?12 V		I _T =22 mA when U _{OUT} ?15 V	-		U ₀ = 30 V I _{MAX} = 70 mA U _{OUT min} = 16 V		U ₀ =24 V I _{MAX} = 80 mA U _{OUT min} = 23 V	
Protection class	Class II			Class III		Class II			Class III
Ambient temp	-10 °C ... +55 °C					-10 °C ... +55 °C			

