

Datasheet



RP 410E Remote Panel

Part#: 1006446

Rev. October 24, 2023

Interfaces

Section	Ch.	Cond.	Min	Typ.	Max	Unit	Comment
Power Supply, Vcc	1	@ 24 VDC	18 -	24 0.4	32 2	VDC A	Max ripple 10% without exceeding Min and Max values.
Switch Inputs	4	Low = 0-2 V High = 8-32 V	-	24	-	VDC	
Config. Relay Outputs	4		0	-	1	A	Potential free/Form C contacts. Internally fused.
Ethernet	1		-	10 / 100	-	Mbps	Auto Crossover
RS-232 (COM 1)	1		-	-	-	-	Reserved
RS-232 (COM 2)	1		-	-	-	-	Reserved
USB Port	1		-	-	480	Mbps	USB 2.0 Hi-speed Memory Interface
Relay Expansion	1		-	-	-	-	For MK-14 Relay Expansion

Screen

Section	Conditions	Width	Typ.	Height	Unit	Comment
Size	-	-	8.4"	-	inches	
Resolution	-	640	-	480	pixels	
Pixel Density	-	-	140	-	PPI	
Colors	-	-	262144	-	Colors	

	Conditions	Min	Typ.	Max	Unit	Comment
Viewing angle	horizontal	±80	±80	-	Deg.	Contrast ratio ≥ 10:1
	vertical	±80	±80	-	Deg.	
Brightness	Setting=100%	540	900	-	cd/m ²	Backlight at 100%

Measurements and Weight

Section	Weight	Width	Height	Depth	Unit	Comment
Size	-	320	220	56	mm	Including Terminal Block connectors
Cutout	-	302	184	-	mm	Access depth: 110 mm
Weight	2.1	-	-	-	kg	Including connectors

Environmental

Section	Condition	Min	Typ.	Max	Unit	Comment
Vibration	Operational	-	4	-	g	IEC 60068-2-6 Fc
Operating Temperature	Operational	-20	-	70	°C	IEC 60068-2-1 Ab/Ad
Storage Temperature	Not powered	-30	-	+80	°C	
Dry Heat	Operational	-	-	70	°C	IEC 60068-2-2 Bb/Bd
		-	-	16	hours	
Damp Heat, cyclic	Cyclic 20-55-20	-	-	-	°C	IEC 60068-2-30 Db
	Humidity 95%	-	-	-	-	
	Duration	-	-	48	hours	
Enclosure	Operational	IP56	-	-	-	Front panel
High Voltage	Not powered	-	-	548	Vrms	Voltage applied between <i>clamped</i> supply and shield.
		-	-	1	minute	
Fast low-energy Transients/bursts	Operational	-	-	-	-	IEC 61000-4-4
		-	-	2	kV	24 VDC supply lines, 5 kHz
		-	-	1	kV	Signal lines, 5 kHz

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Section	Condition	Min	Typ.	Max	Unit	Comment
Slow high-energy Transients/surges	Operational	-	-	-	-	IEC 61000-4-5
		-	-	0.5	kV	24 VDC supply lines
		-	-	1	kV	Signal lines
Electrostatic Discharge, ESD	Operational	-	-	-	-	IEC 61000-4-2
		8	-	8	kV	Air
		6	-	6	kV	Contact

EMC

Section	Condition	Min	Typ.	Max	Unit	Comment
Conducted emission	Operational	-	-	-	-	CISPR 16-1-1 / 16-1-2 / 16-2-1
Radiated emission	Operational	-	-	-	-	Quasi-peak at 3m:
		150	-	300	kHz	80-50 dB μ V/m
		0.3	-	300	MHz	50-34 dB μ V/m
		30	-	156	MHz	54 dB μ V/m
		156	-	165	MHz	24 dB μ V/m
165	-	2 000	MHz	54 dB μ V/m		
Conducted Radio Frequency Immunity	Operational	-	-	10	Vrms	IEC 61000-4-6
Radiated Electromagnetic Field Immunity	Operational	80	-	2 000	MHz	IEC 61000-4-3 10 V/m, 80% AM, 400 Hz / 1 kHz

Validity of Information

Data valid at revision date. Auto-Maskin reserves the right to make improvements and changes of specification at any time.

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