PZ series

Piezoelectric keypads

✎ DISTINCTIVE FEATURES

Very long life

Front or rear mounting

12 keys

Panel sealed to IP68

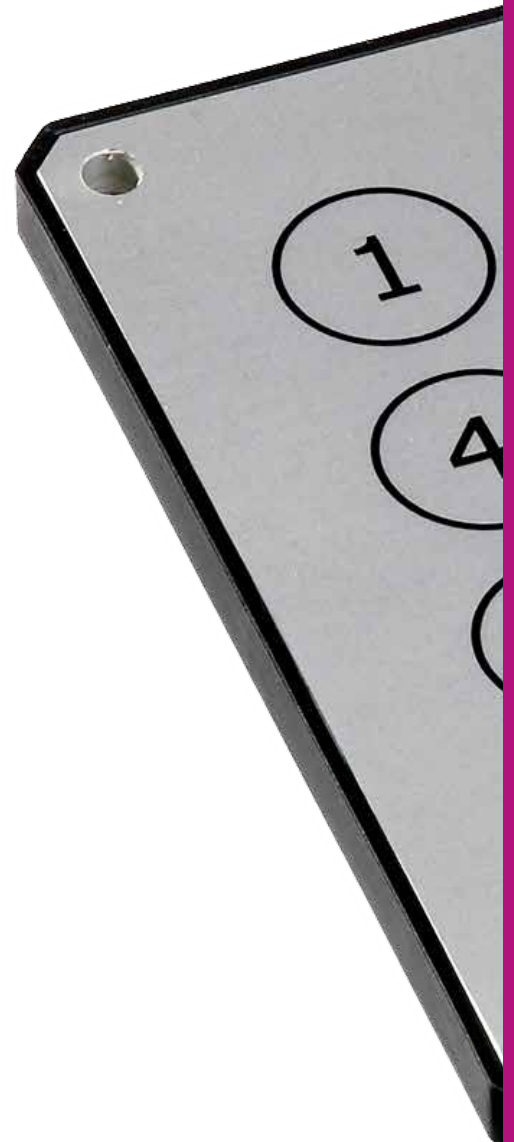**Custom markings on request**

▣ ENVIRONMENTAL SPECIFICATIONS

• Sealing : IP68 front and rear according to IEC 60529

• Operating and storage temperature :
  -40 °C to +85 °C (-40 °F to +185 °F)

• Rapid temperature variation test according to IEC 68-2-14 test N

• Endurance test at extreme temperatures : 300.000 cycles

• Shock resistance according to NF EN 60068-2-27 : up to 90 G

• Abrasion test R3799 with Taber 5900 : 1.000.000 cycles min.

• Flame resistance : UL94 HB horizontal position (30 seconds max.)

• Salt spray : 96 hours according to IEC 68-2-11 test Ka

• Washability : most commonly used detergents and solvents

⚡ ELECTRICAL SPECIFICATIONS

• Output type : 4 x 3 matrix (NO contacts)

• Contact bounce time : 1ms max.

• Insulation resistance (OFF = not actuated) : 5 MΩ min.

• Initial contact resistance (ON = actuated) : 7.5 Ω max.

• Switching Voltage max. : 24 VDC

• Switching Current max. : 200 mA

• Electrical life : 10 million cycles min.

• ESD test : 20 KV max. according to IEC 1000-4-2

The company reserves the right to change specifications without notice.

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⚙ GENERAL SPECIFICATIONS

- Actuating contact force : 2 to 4 N (depending on temperature)
- Stroke : none
- Mechanical life : 10 million cycles min.
- Connection : 8-pin male connector

◿ MATERIALS

- Front panel : anodized aluminum
- Case : hard thermoplastic resin
- Sealing O-ring : neoprene
- Marking : chemically structured anodized silk screen with high abrasion resistance

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

••• EXTRA FEATURES AVAILABLE ON REQUEST

- Specific marking including colors
- Backlighted version (under development)

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🧩 BUILD YOUR PART NUMBER

PZ				
SERIES	NO OF KEYS	MATERIAL	MOUNTING	MARKING

NO OF KEYS	MATERIAL	MOUNTING	MARKING
12 12 keys	**0** Aluminum natural anodized	**R** Rear mounting	**S** Standard marking
		F Front mounting	**C** Custom marking

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12-KEY MODEL - FRONT MOUNTING

PZ120FS

12-KEY MODEL - REAR MOUNTING

PZ120RS