

PZ SERIES

Piezoelectric keypads



KEY FEATURES

- Very long life
- Rear or front mounting
- 12 keys
- Panel sealed to IP68
- Custom marking on request

OPTION SELECTION

PZ				
SERIES	NUMBER OF KEYS 12 12 keys	MATERIAL 0 Aluminum natural anodized	MOUNTING R Rear mounting F Front mounting	MARKING S Standard marking C Custom marking

ENVIRONMENTAL SPECIFICATIONS
- Sealing : IP68 front and rear according to IEC 60529 - Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F) - 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 s. max.) - Salt spray : 96 hours according to IEC 68-2-11 test Ka - Washability : most commonly used detergents and solvents
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

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
EXTRA FEATURES AVAILABLE ON REQUEST
- Specific marking including colors - Backlighted version (under development)
MATERIALS
- Front Panel : anodized aluminium - Case : hard thermoplastic resin - Sealing o-ring : neoprene - Marking : chemically structured anodized Silk Screen with high abrasion resistance

