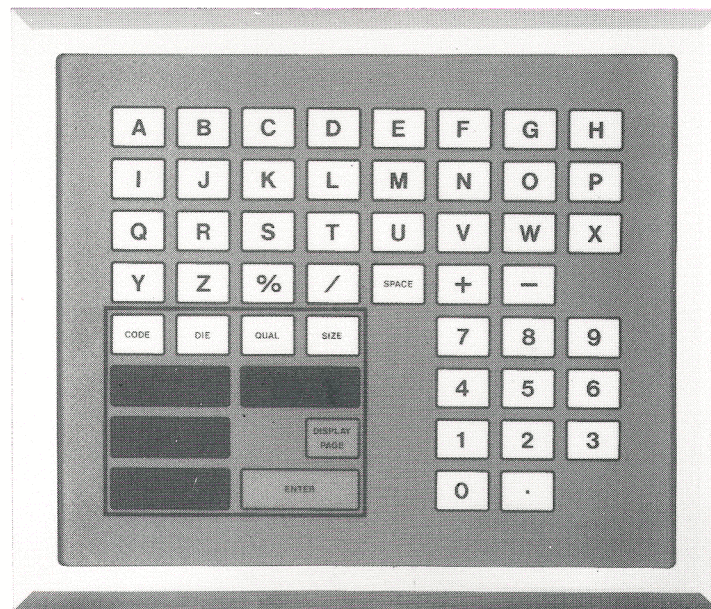




Serial Membrane Keypad

8750



DESCRIPTION

Introduction

The 8750 serial membrane keypad provides operator input/output interface for GEM 80 Programmable Controller systems. The unit is easily tailored to suit specific application requirements.

Construction

The serial keypad features a mechanically actuated, membrane-type keyboard. The keypad is environmentally sealed for life to meet the demands of the toughest industrial environments. Individual key life expectancy is over 10 million operations.

Mounting

The unit is designed to be mounted on control desks or panels with the minimum of forward and rear projection. The keyboard and bezel are offered up from the front of the panel.

Layout

The 8750 keypad is equipped with standard keycodes of 1 to 64. On the keyboard they are arranged in an 8 x 8 matrix. The keycodes are user-defined within the GEM 80 user program. Key colours and legends are also user-definable. These options afford the customer the ability to custom-design the keypad(s). Custom-designed keypads may be ordered via GEC or from a supplier of the customer's choice.

Interface to Controller

Communication with GEM 80 is via the printer port, using a 4-wire, serial link, twisted pair cable.

The maximum cable length between the GEM controller and the keypad is dependent on baud rate selection, driving voltage and cable types.

FEATURES

- Simple low cost wiring.
- Audible feedback for key operations.

SPECIFICATION

Number of keys : 64
Keysize : 20 x 16mm with 5mm spacing
Operating force : 50g (0.11lb)
Switch travel : Typically 0.1mm
Overall dimensions : 237mm x 277mm x 5mm/170mm
(high x wide x front/rear projection)
Maximum Cable length between : Typical distance = 400 metres
at 9600 baud. With Vcc = 10V
GEM Controller : using 9512 Belden or equivalent.
and keypad
Power requirements : 6 to 12V a.c. or 7.5 to 13.5V d.c.
(1 amp. max.)
To be provided by customer
Audible feedback : 5.2kHz Max. 85dB
Temperature : -10°C to 60°C operating
-20°C to 70°C storage
Humidity : 20 to 80% non-condensing
Weight : Approx. 620g (1.37 lb.)

ORDERING CODES

Equipment:

Membrane keypad unit with standard keycodes, supplied with loose grey overlay and cables.	8750-3002
Membrane keypad unit with custom-designed overlay	8750-XXXX (last four digits allocated by GEC)

Spares:

Keypad overlay	78801/216
Bezel	78801/208

ADDITIONAL INFORMATION

If you require any further information or wish to discuss an application in detail, do not hesitate to contact our GEM 80 representative.

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