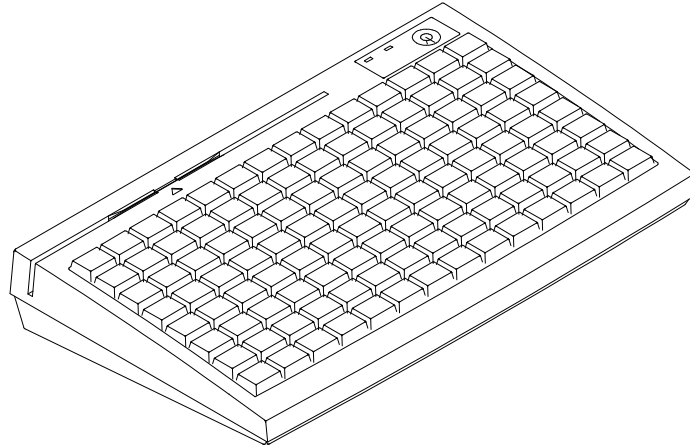




PRODUCT SPECIFICATION

PRODUCT : KB3100 SERIES
DESCRIPTION : 112-KEY
PROGRAMMABLE KEYBOARD
REF. NUMBER : SPEC-603
REV. LETTER : B (DRAFT)



MANUFACTURED BY: *MUSTEK CORP.*

AN ISO-9002 CERTIFIED MANUFACTURER

SPECIFICATIONS

MODEL NUMBERS:

- KB3100 Basic model, non-volatile memory 8 KB
- KB3100M2 with MSR (ISO tracks 1 & 2)
- KB3100M3 with MSR (ISO tracks 1, 2 & 3)
- KB3100MJ with MSR (JIS I track 2 + JIS II)

CONSTRUCTION: Spill-proof, 112 keys + 6 position control key

CASE MATERIALS: ABS

LED COLOR: Power on – Green
MSR – Green & Red

KEY SWITCH TYPE: membrane plus rubber dome

KEY STROKE TRAVEL: 3.2 mm

KEY TOP SIZE: 18 x 22 mm for individual key

PREPRINTED KEYS: Numeric keys “.”, “00”, “0 to “9” (option)

KEY CAP: 18 x 22 mm transparent

PROGRAMMABILITY:

- **METHOD:** Software under DOS, WINDOWS 3.1, or WINDOWS95 without TSR program
- **COVERAGE:** 112 keys by 5 pages + one keylock, total 6 position control answer back codes
- **CODE TYPE:** ASCII or scan codes
- **LANGUAGE:** English or European, software configured
- **CONTENTS LENGTH:** 1 - 255 byte(s)/key
- **MULTILEVEL:** 8 levels max.
- **MEMORY:** Non-volatile memory 8KB
- **INTERCHARACTOR OUTPUT SPEED:** programmable 0 - 140 msec
- **COMMANDED TIME DELAY:** programmable 0 - 240 sec
- **ANSWER BACK DELAY TIME:** programmable 0 - 2 sec.
- **CONTROL KEY:** 6 positions with position change answer back

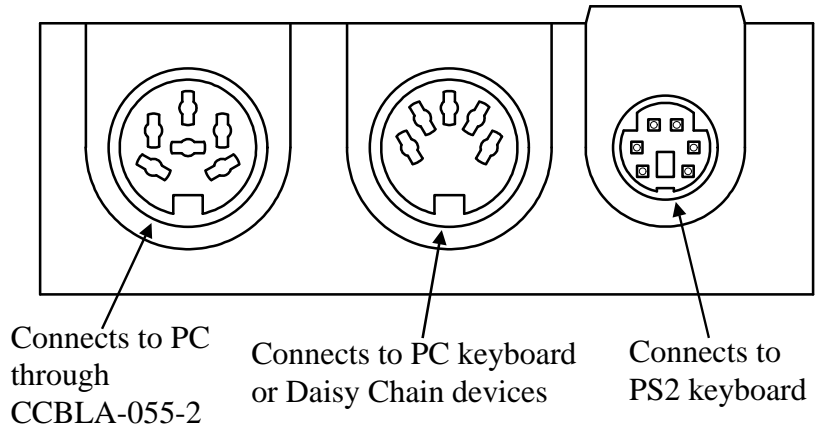
POSITION CONTROL KEY:

- 6 positions (LP, L0, L1, L2, L3, L4), key extractable at L0 and L1
- Hardware lock off all keyboard data output after answer back code sent at L0

- Capable of giving programmable answer back code on position change of the key
- Capable of giving programmable answer back code of each position on receiving a specific code inquiry (E7h) from host computer

OUTPUT INTERFACE:

- 6 pin DIN female connector: connects to host computer
- 5 pin DIN female connector: connects to input PC keyboard or Daisy Chain devices
- 6 pin mini DIN female connector: connects to input PS2 keyboard



MAGNETIC STRIPE READER (Models KB3100M2, KB3100M3, KB3100MJ):

- Decoder & interface..... Built-in keyboard wedge interface
- Tracks..... ISO7811/2 tracks 1 & 2 (KB3100M2)
or
ISO7811/2 tracks 1, 2 & 3 (KB3100M3)
or
JIS I/II (KB3100MJ for JIS X 6302)
Software programmable to enable/disable ISO tracks
- Start/end sentinels..... Can be disabled by hardware jumper on ISO7811/2 MSR
Software programmable to enable/disable/select code sent to host
- Alt+Num input..... Software programmable to enable/disable for non-English (European) language

a) Reader application

Applicable card type	ISO 7811/2	JIS X 6302
Card feed method	Manual	Manual
Card feed direction	Bi-direction	Uni-direction
Read / write function	Read only	Read only
Card feed speed	5 to 55 inches/sec.	100 ~ 1200 mm/sec.
Error rate	Less than 0.5%	Less than 0.1%

b) Card data format

Card standard	IATA	ABA	THRIFT	JIS I	JIS II
Track used	Track 1	Track 2	Track 3	Track 2	Rear side
Recording method	F ² F (FM)	F ² F (FM)	F ² F (FM)	F ² F (FM)	F ² F (FM)
Recording density	210 BPI	75 BPI	210 BPI	75 BPI	210 BPI
Recording capacity characters / bits	79 / 7	40 / 5	107 / 5	40 / 5	72 / 7

POWER CONSUMPTION:

Voltage..... 5VDC ± 10%
Current..... 150 mA max. (Model KB3100)
200 mA max. (Models KB3100M2, KB3100M3,
KB3100MJ)

MECHANICAL:

Dimension in mm (inches)..... 346 mm x 210 mm x 57 mm
(13.6") x (8.3") x (2.2")
(W x D x H)

ENVIRONMENTAL:

Operating temperature..... 0°C to + 50°C
Storage temperature..... -20°C to + 70°C
Relative humidity..... 90%, non-condensing
Vibration..... 4G
Shock..... 40G

RELIABILITY INFORMATION:

- Push key switch: 15,000,000 strokes min.
- Memory: 100 years min.
- MSR head life: 300,000 passes min.

APPLICABLE CONFORMITY:

CE, FCC CLASS A

ACCESSORY:

- Cable CCBLA-055-2 x 1
- Legend sheet x 4
- Quad key cap x 1
- Double key cap x 2
- Single key cap x 92
- Horizontal double key top & key cap x 1
- Blank key x 4
- Control keys 4 pcs per set
- Utility software diskette x 1

- User's guide x 1
- Key clip x 1 (mounted at bottom of the programmable keyboard)

OPTIONS:

- MSR (ISO track 1 & 2, ISO track 1, 2 &3, or JIS I track 2 + JIS II) / pc
- Soft dust protect cover, standard 112 key type / pc
- Numerical keys (., 00, 0 to 9) 12 pcs / set
- Quad key / pc QK-2000
- Double key / pc DK-2000
- Blank key / pc BK-2000
- Single key top & key cap / set PSTKBTOP+PSTKBCAP
- Horizontal double key top & key cap / set