

GENERAL SPECIFICATION

- Contact rating: 20mA, 24VDC
- Contact resistance: 200 ohm max
- Life: 1,000,000 cycles per key
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -40°C to +65°C

KEYPAD PART NUMBER INFORMATION

AK-XXXX - X - XXX - XX - XX
(a) (b) (c)(d)(e) (f) (g)

(a) MODEL NUMBER: 101, 102, 103, 104, 206, 207, 304, 304-FM, 507, 707, 804, 1604, 1607

(b) LEGEND (CHARACTER) TYPE: A (ALPHA-NUMERIC LEGEND) N (NUMERIC LEGEND) B (BLANK) AR (ARROW)

(c) BEZEL COLOR: W: WHITE COLOR B: BLACK COLOR G: GRAY COLOR I : IVORY COLOR S: SILVER COLOR FOR METAL BEZEL

(d) KEYTOP COLOR: W: WHITE COLOR B: BLACK COLOR G: GRAY COLOR I : IVORY COLOR S: SILVER COLOR FOR METAL KEYTOP

(e) LEGEND (CHARACTER) COLOR: W: WHITE COLOR B: BLACK COLOR Y: YELLOW COLOR L: LED LIGHTING (BACKLIGHTING)

(f) WATER PROOF: WP

(g) METAL BEZEL, METAL KEYTOP: MM

Standard Matrix Circuit Diagram

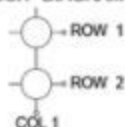
CIRCUIT DIAGRAM



AK-101

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		COL 1
2		ROW 1

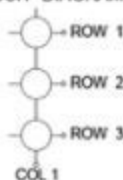
CIRCUIT DIAGRAM



AK-102

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 1
2		ROW 2
3		COL 1

CIRCUIT DIAGRAM



AK-103

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 1
2		ROW 2
3		ROW 3
4		COL 1

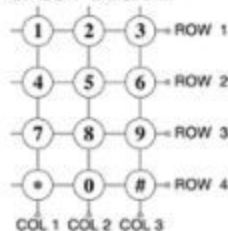
CIRCUIT DIAGRAM



AK-104

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 1
2		ROW 2
3		ROW 3
4		ROW 4
5		COL 1

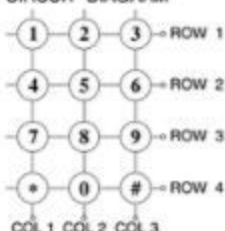
CIRCUIT DIAGRAM



AK-207, 304, 507, 707, 804

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		COL 2
2		ROW 1
3		COL 1
4		ROW 4
5		COL 3
6		ROW 3
7		ROW 2

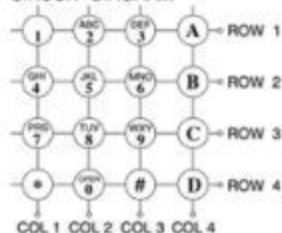
CIRCUIT DIAGRAM



AK-304-FM

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 1
2		ROW 2
3		ROW 3
4		ROW 4
5		COL 1
6		COL 2
7		COL 3

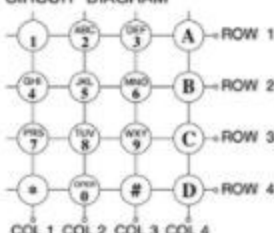
CIRCUIT DIAGRAM



AK-1604

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		COL 1
2		COL 2
3		COL 3
4		COL 4
5		ROW 1
6		ROW 2
7		ROW 3
8		ROW 4

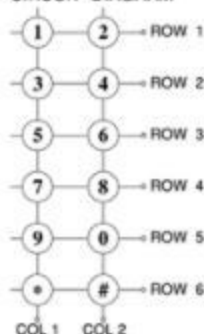
CIRCUIT DIAGRAM



AK-1607

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 2
2		ROW 3
3		COL 1
4		ROW 4
5		COL 2
6		COL 3
7		COL 4
8		ROW 1

CIRCUIT DIAGRAM



AK-206

OUTPUT ARRANGEMENT		
OUTPUT	PIN NO.	SYMBOL
1		ROW 1
2		ROW 2
3		ROW 3
4		ROW 4
5		ROW 5
6		ROW 6
7		COL 2
8		COL 1