

	DOC. NO.	KDM-47XY SPECIFICATION	REV.	PAGE	DATE
	C4-351		B	4 OF 23	2000.02.14

1. GENERALS

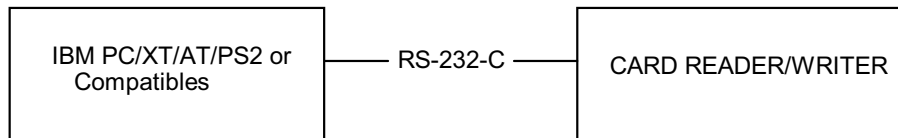
1.1. Overview

This model is a motorized insertion type magnetic stripe and IC card reader/writer with RS-232C interface that is to encode/decode data on triple (dual, single JIS 2) track of magnetic stripe card and IC card in accordance with ISO 7811/7816/JIS 2 (Please refer to model Information table about each functional option.)
KDM-47XY support s T=0 protocol and T=1 protocol.

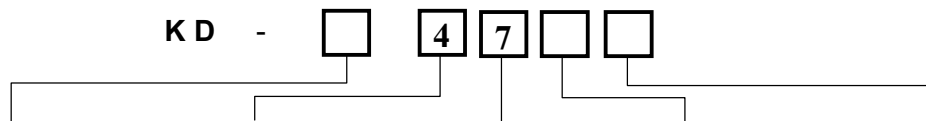
1.2. Features

- 1.2.1. Mechanically designed for robust body structure to meet industrial standard
- 1.2.2. Encode/decode data on ISO 1, 2, 3, JIS 2 tracks of magnetic stripe card
- 1.2.3. Shutter mechanism with prehead and sensors is provided. (Option)
 - Closed shutter detection sensor : Confirm the detection of shutter blade's operation
 - Card width sensor : Confirm the width of inserted card as standard
 - Magnetic stripe detection : A prehead located at ISO track 2&3 position detects magnetic stripe.
- 1.2.4. When the power is turned on, if a card is inside of KDM-47XY it will be ejected.
- 1.2.5. Driven by back-up power supply for card return automatically on power-failure. (Option)
- 1.2.6. Communication performed by asynchronous or synchronous with interface in IC card 8(16) points of chip-contact pin move down individually and fully contact on chip surface regardless of bended card in accordance with the contact location and transitional contacts location in ISO 7816
- 1.2.7. Card is to be returned automatically in case the pin can not be fully contacted on IC due to contamination.
- 1.2.8. Support both protocol T=0 ,T=1

2. SYSTEM BLOCK DIAGRAM



2.1. MODEL INFORMATION



Interface Type	Function	Voltage	Track Position	Option
M : RS-232C MH : RS-232C(Hi-Co)	4 : Read/Write	7 : 24v 9 : Customized	1 : ISO 1 2 : ISO 2 3 : ISO 3 4 : JIS 2 5 : ISO1/ISO2 6 : ISO2/ISO3 8 : ISO1/ISO2/ISO3 9 : JIS 2,ISO1+2+3	0 : Without Shutter 1 : With Shutter 6 : With IC Contact (8pins) 7 : With IC Contact (8pins), Shutter 8 : With IC Contact (16pins) 9 : With IC Contact (16pins), Shutter