



# MATCH<sup>™</sup> Intelligent Reader Interface

Hirsch's MATCH Interface makes conventional access control readers intelligent and provides a high security solution for access control. It is used with a Hirsch DIGI\*TRAC™ controller.

### **Features**

- Microprocessor Based
- Mathematical Digitizing Algorithm
  - High Security Transmission
  - Eliminates Facility Codes
- Supports "Off the Shelf" Cards
  - No Waiting on Card Orders
- Mix Reader Technologies on One System
- Data Formats
  - ABA Magnetic Stripe
  - Wiegand (26- to 55-Bit Format)
  - Proximity
  - Bar Code
  - Touch Memory
  - Barium Ferrite
  - RF (Radio Frequency)
  - Biometric
  - Wiegand No Parity
  - HID Corporate 1000 Format
  - Pass Through
- Digital Transmission
  - Long Wiring Runs
  - Multi-drop Connections
- Dual Technology Options
- Entry and Exit Reader on One MATCH Interface Unit
- Many Custom Formats Now Supported

# **Description**

The MATCH Intelligent Reader Interface is installed at or near a conventional access control reader. It converts the reader's analog or pulsed signals to a high security digital code.

MATCH's on-board 5VDC power source powers most readers.

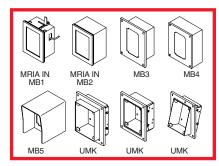
Used with a conventional reader, MATCH converts the card's raw code into the security code used by a Hirsch DIGI\*TRAC controller. There is no need to decipher the raw code. Existing card access systems can usually be upgraded without replacing the current cards.

# **High Security Communication Path**

The MATCH interface has microprocessor intelligence. MATCH uses a complex mathematical algorithm to digitize the code for transmission to a DIGI\*TRAC controller. Digital transmission permits longer wiring runs between a MATCH-based reader and its controller than are normally available with conventional access technologies.

# **Multiple Reader Support**

A single MATCH Interface will support both an entrance and an exit reader for the same door. MATCH interfaces are used on the same communication path with the Hirsch ScramblePad® and ScrambleProx®.



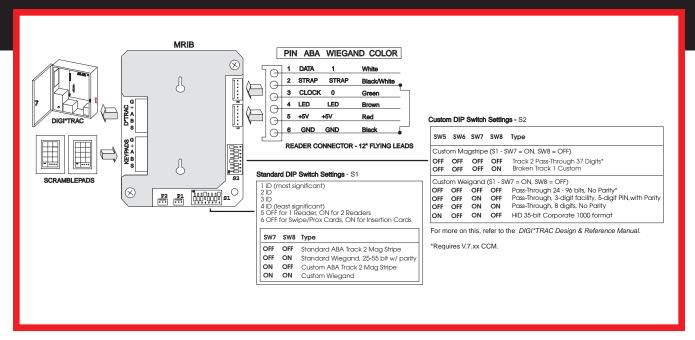
Mounting Boxes

### **Accessories For MRIA**

MB1 Flush Mounting Box MB2 Surface Mounting Box MB3 Heavy Duty Flush Mounting Box MB4 Heavy Duty Surface Mounting Box MB/FFP Flat Faceplate Shallow Wall, Semi-MB/SWS flush Spacer Ring **UMK** Universal Mounting Kit

(requires MB2)

# Systems With Integrity



Typical MATCH-to-Reader Wiring.

# **Specifications**

Note: The MATCH is designed to operate with a Hirsch DIGI\*TRAC Controller.

### **Communications**

- Wiring From Controller: 2 pair, stranded, twisted, overall shield.
   Refer to controller specifications for distance
- Supervision: Digital from controller
- Wiring To Reader: Refer to reader specifications

# **Electrical**

- Operating Power
  - 70 mA @24VDC, with externally powered readers
  - 200 mA@24VDC, with 2 readers powered by MATCH
- Reader Power: 2 terminals 250 mA @ 5VDC each

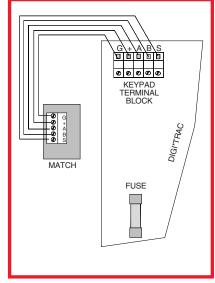
■ RS232 Port (P1) For Enrollment Station

# **Physical**

- Physical Tamper Alarm (MRIA)
- Dimensions:
  - MRIA: 5.75"H x 4.5"Wx2"D (14.6 cm x 11.4 cm x 5.1 cm)
  - MRIB: 4.5"H x 3.5"W x 1.75"D (11.4 cm x 8.9 cm x 4.4 cm)
- Shipping Weight: 2 lb. (0.9kg)
- Operating Temperature Range: 32°to 140°F (0° to 60°C)
- Relative Humidity: 0 to 90%, non-condensing

# **Listings & Approvals**

- UL-ALVY (294), Access Control Systems Units
- CUL-UEHX7, Signal Appliances
- CE



Typical Controller-to-MATCH Wiring Diagram.

# Ordering Information

Model #	Name	Discription and Comments
MRIA	MATCH Reader Interface Assembly	Includes MRIB, mounting base and bezel, physical tamper switch and blank faceplate. 2 MATCH connectors with 6" pigtails. Installs in Hirsch mounting boxes. Use MB1, MB2 or MB5. UL Listed. CE.
MRIB	MATCH Reader Interface Board	Accepts up to 2 readers & 2 ScramblePads for dual technology entry & exit control of 1 door. Use with CCM 6.4 (or higher) & CR readers (see DIGI*TRAC Deisgn and Installation Guide for compatible readers). 2 MATCH connectors with 6" pigtails. Provides 5VDC @ 250mA reader power. Mounting plate. UL Listed. CE.



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