Entra Access Solutions Ltd.

AES-MIR20

TX3 RS485 Serial to Wiegand Converter

The AES-MIR20 is a Serial to Wiegand Converter designed to interface the Mircom TX3™ Telephone Entry Systems to any Access Control System.

Description:

When a resident grants access to a Visitor, the AES-MIR20 captures the data transmitted from the Mircom TX3™ Lobby Panel to the Phantom Elevator Restriction Controllers. This data is then Converted and Output as Wiegand Data.

Wiegand Card Formats presently available are as follows:

Standard 26Bit (default) ***Keyscan 36Bit***

RBH 50Bit ***ICT34Bit***

HID Corporate1000 35Bit

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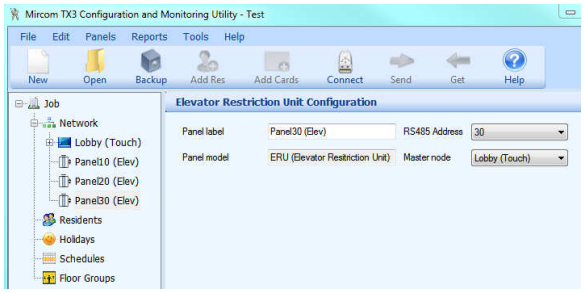
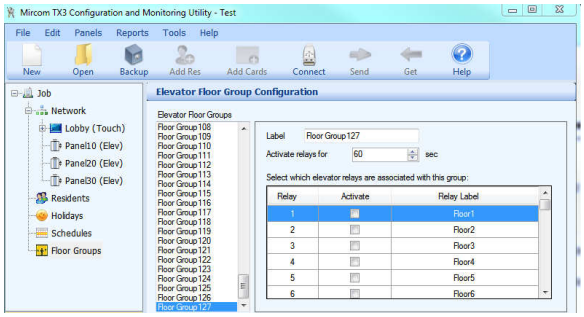
Mircom TX3™ System Programming Requirements

For the *AES-MIR20* to work properly, we must program the following items using the Mircom TX3™ Configuration and Monitoring Utility™ Software.

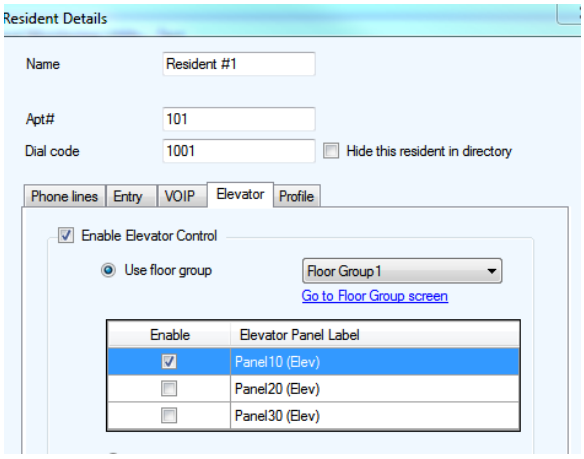
1) Add one(1) Elevator Restriction Unit (ERU) Per 128 Residents.
The Elevator Restriction Controllers will always be Offline. THIS IS NORMA! As they do not exist.
2) Add 128 Floor Groups
3) Assign an ERU & Floor group to each resident.
See Screen Shots Below.



In this screen we have added three(3) ERU's.
The addresses we selected are 10, 20 , and 30.



In this screen we have added 128 Floor Groups.



In this screen we have assigned Resident #1 to Use ERU(Panel(10) and Floor Group 1.

When Resident #1 grants access to a Visitor,

The wiegand output will be: fac: = 1(default)
Card#:1001.

See Below for Card number calculations.

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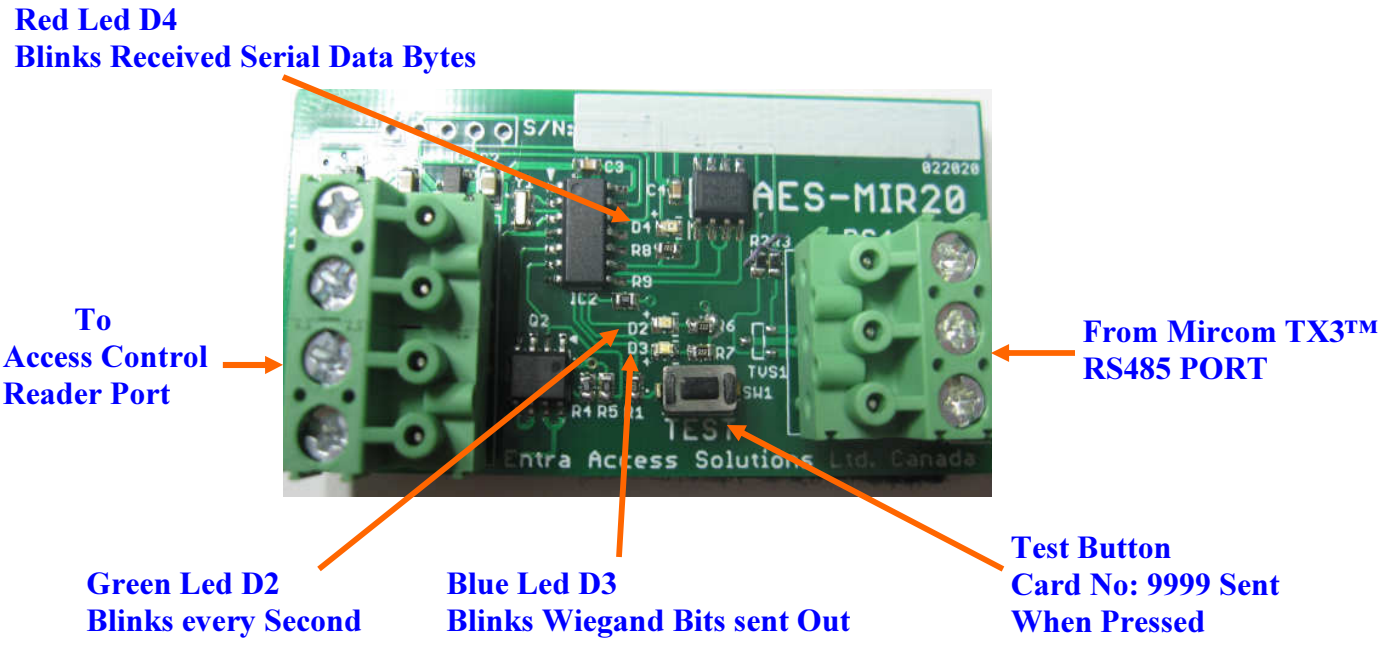
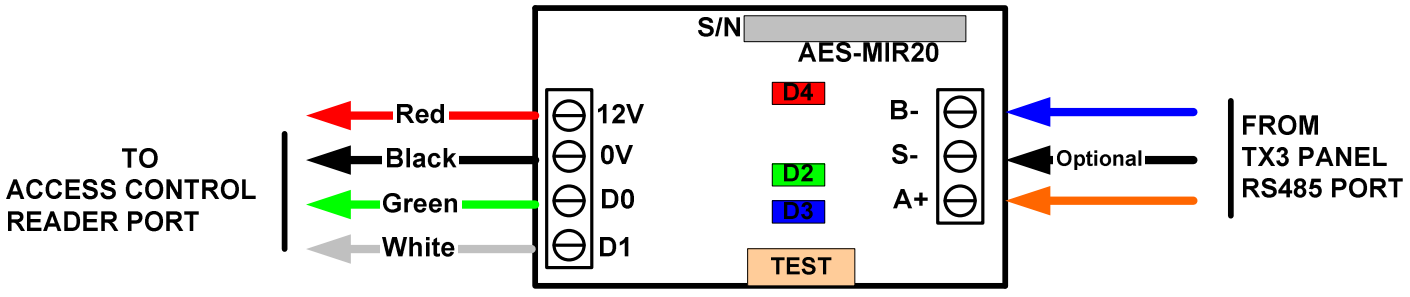
AES-MIR20 LAYOUT



AES-MIR20 Terminations



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Wiegand Card Formats Available					
Standard 26Bit	**Keyscan 36Bit**	**RBH 50Bit**	**ICT 34Bit**	**HID Corp1000 35Bit**	**Other Formats Available Call**

Default Facility/Family Code = One

Card Number Calculations

The Wiegand Card Number, that the AES-MIR20 generates, is derived from the Elevator Restriction Unit (ERU) Address and the Floor Group assigned to each Resident.

Card Number = ERU –Address x 100 + Floor Group.

Example #1

Resident #1
ERU-Address = 20 (You can assign Any address from 2 to 63 to the ERU's)
Floor Group = 27

Card Number = (20 x 100) + 27 = 2000 +27 = 2027.

Example #2

Resident #1
ERU-Address = 30 (You can assign Any address from 2 to 63 to the ERU's)
Floor Group = 105

Card Number = (30 x 100) + 105 = 3000 +105 = 3105.

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AES-MIR20 SPECIFICATIONS	
Power Supply	9 to 14VDC (Linear Supply Recommended)
Current	8mA Average, 10mA Peak
Cable Requirements	Use Access Control & Mircom™ Recommendations
OutPut Format	Wiegand 26Bit,36Bit, 50Bit, 34Bit, others.
Facility/Family Code	One(1)
Communication	RS485
Warranty	5 Years against defects in Materials & Workmanship

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