

904.200.17 RFID/2 reader

Proximity reader module

for passive, 125KHz , inductive tags.

(S/n 1707xxxx and subsequents)



SUBSYSTEMS & COMPONENTS

AXESS TMC srl

Via della Filanda, 22 - 40133 Bologna - Italy

Tel: +39 051 3519311 - Fax: +39 051 3519399

www.axesstmc.com

Transponder type	64bit Read only H4102 compatible. 125KHz standard.
Interface	Magstripe reader emulation (buffered) (14 decimal digits). Alternatively 9600bps serial ASCII, or Wiegand 26bit, or Barcode C39 emulation output.
Reading range	Minimum 12cm at 5..12Vdc, with ISO card, in good conditions. Don't mount the reader directly on metal surface.
Audio-visual indication	Two LEDs (Red and Green) driven by connecting the Grey and Yellow wires, respectively, to GND. If the Grey wire is not connected, the Red LED automatically turns on in case of good decode, then turns off only when the tag exits the reading range. Buzzer activated on good decode.
Power supply	5-18 Vdc., 65mA typical with a 12V supply.
Dimensions	101 x 44 x 23 mm (outline)
Temperature range	-20° to +60°C.
Interface Cable	300 cm



Configuration wires and output assignments

	CLKDATA MAGSTRIPE 14 DIGITS (DEFAULT)	WIEGAND 26 BIT	BARCODE C39 14 DIGITS	SERIAL 9600N81 <STX>10HEX DIGITS <CR><LF><ETX>	SERIAL 9600N81 14DEC DIGITS<CR>
Red	Power 5 - 18 Vdc				
Blue	GND				
Pink	Clock	Data1	Data	Wired with Brown	N.C.
White	Data	Data0	Wired with Brown	TXD	
Brown	CARD PRESENT	Wired with GND	Wired with White	Wired with Pink	Wired with Green
Green	N.C.				Wired with Brown
Yellow	GREEN LED command (to GND)				
Grey	RED LED command (to GND)				

Connector

The 904.200.17 is supplied with a 8-pin MOLEX connector. It is factory configured for using (as a magnetic emulation reader) with TMC 914.003.20 HotMAX boards. Connection to Prox (and Trax) terminals is also possible changing the pins order and reducing the connector as shown in the rightmost table.

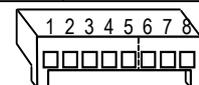
Note: to modify the pin connections or change the connector size, just press a little with a screwdriver into the corresponding rectangular hole and pull the wire at the same time. Then re-insert it in the required position.

Output Assignment for TMC MAX

1	Blue	GND
2		
3	Pink	Clock Output
4	Red	Power 5 - 18 Volt
5	White	Data Output
6		
7	Yellow	GREEN LED
8	Grey	RED LED

Output for TMC PROX & TRAX

1		(n.c. battery aside)
2	Pink	Clock Output
3	White	Data Output
4	Blue	GND
5	Red	Power 5Vdc



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INSTRUCTIONS FOR FCC ID LABELING

Module type: transmitter 90401-17

FCC-ID: SYL90401-17

This intends to inform you how to specify the FCC ID of our transmitter module 90401-17 on your final product. Based on the Public Notice from FCC, the product into which our transmitter module is installed must display a label referring to the enclosed module. The label should use wording such as "Contains transmitter module FCC ID: SYL90401-17" or "Contains FCC ID: SYL90401-17", any similar wording with the same meaning may be used.

