

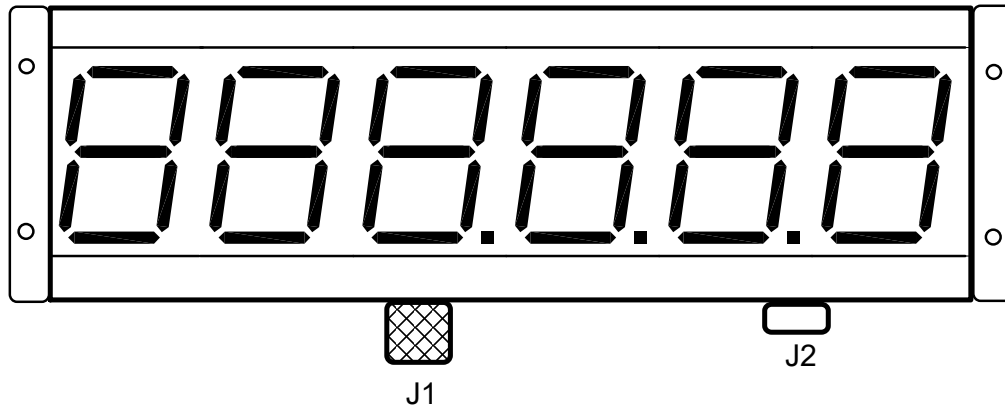
***ODECA***

***Weight Repeater***

***R60***

**TECHNICAL MANUAL**

**CONNESSIONI**



**POWER SUPPLY**

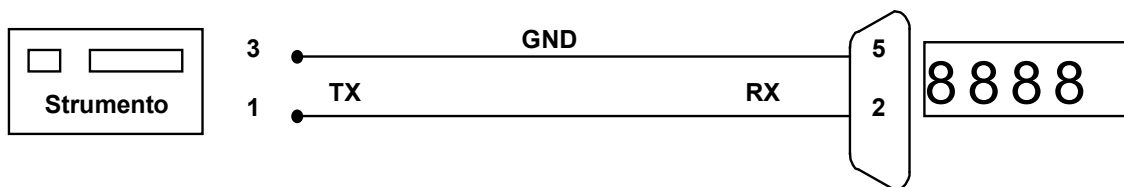
The instrument is powered through connector J1. The power cord must be earthed and must be channeled separately from other power supply cables with different voltages.  
 Power supply : da 200 a 250 Vac  
 Frequency : 50 / 60 Hz

**SERIAL CONNECTION RS 232**

To make the serial connection use a shielded cable, taking care to connect the screen to only one end . If the cable has a number of leads higher than the ones used, connect the free conductors to the screen.  
 The serial connection cable must have a maximum length of 3 meters, beyond which the Rs422 interface must be fitted.  
 The cable must not be channeled with other cables (eg outputs connected to relè or power cords), but must be able to follow its own path

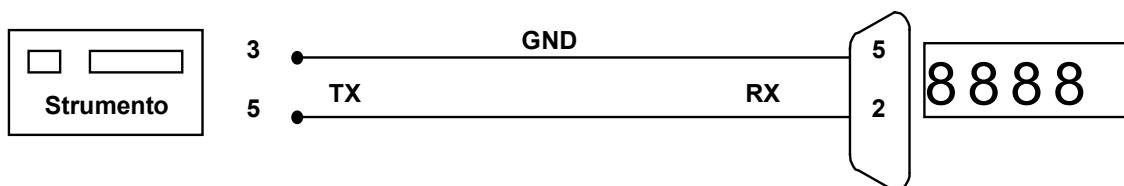
**CONNETTORE J5 COM1 WI-01**

**CONNETTORE 9 PIN FEMMINA R60**



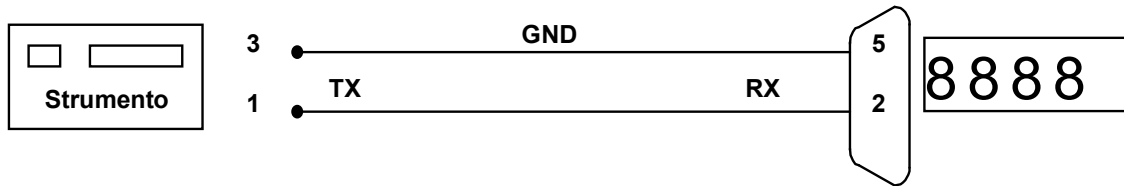
**CONNETTORE J5 COM2 WI-01**

**CONNETTORE 9 PIN FEMMINA R60**



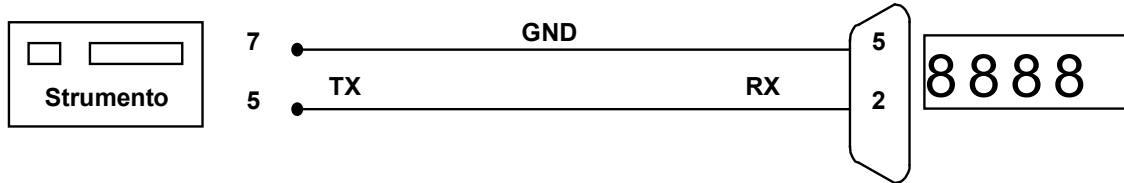
CONNETTORE J8 COM1 WP-AN

CONNETTORE 9 PIN FEMMINA R60



CONNETTORE J1 COM2 WP-AN

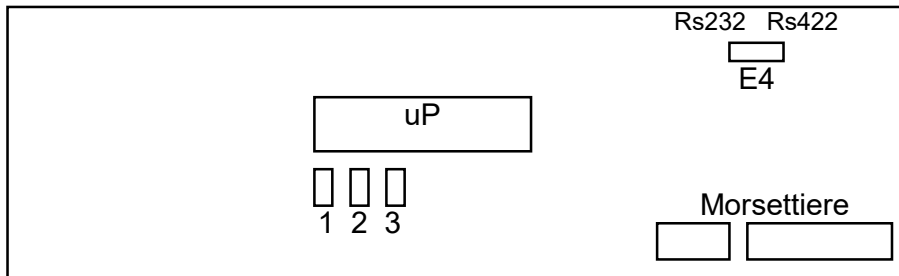
CONNETTORE 9 PIN FEMMINA R60



**WEIGHT DISPLAY**

The 6-digit display shows the net weight value received on the RS232 or RS422 serial line depending on the type of hardware configuration (E4 jumper). The type of serial protocol for piloting the repeater is automatically recognized as expected if has been correctly selected the communication baud rate. By means of internal jumpers to the instrument (1, 2 and 3) you can select the position of the decimal point and the serial communication baud rate.

- Jumper 1: baud rate.
- Jumpers 2 and 3 : decimal point position (0/1/2/3)



**Decimal point position**

At power on, the repeater displays the selected decimal point: dec 0 / dec 1 / dec 2 / dec 3

	No dec.	x.x	x.xx	x.xxx
jumper 2	Open	Open	Closed	Closed
jumper 3	Open	closed	Open	Closed

**Baud rate selection**

At power on, the repeater displays the selected baud rate : b4800 / b9600)

	4800 bit/sec	9600 bit/sec
Jumper 1	Open	Closed

**COMMUNICATION LINES USED IN CASE OF CONNECTION RS 232:**

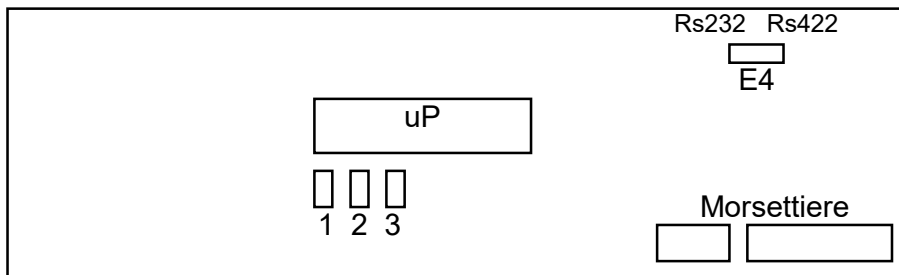
RXD ( rx data ) , GND ( Ground ) .

**COMMUNICATION LINES USED IN CASE OF CONNECTION RS 422**

RXD+ ( rx data +) , RXD- ( rx data -) .

**HARDWARE SELECTION FOR CONNECTION RS 232 OR RS 422**

The RS 232 or RS 422 serial interface is selected via jumper on the side of the board at the E4 position:



**ODECA s.r.l.**  
**Via Dell'Industria, 20**  
**21044 - CAVARIA - VA -**



**DICHIARAZIONE DI CONFORMITA'**  
*Declaration of conformity*

**Lo strumento per pesare a funzionamento non automatico**  
 The non-automatic Weighing instrument

<b>Fabbricante:</b> Manufacturer:	<b>ODECA srl</b>
<b>Tipo/Modello:</b> Type/Model:	<b>R60</b>

**al quale si riferisce la presente dichiarazione,**  
**è conforme alla/e seguente/i norma/e o documento/i normativo/i :**  
*to which this declaration refers to,*  
*conforms with the following standard(s) or other regulations document(s) :*

**Conformità CE / CE Conformity :**

\* Direttiva CEE 89/336 sulla Compatibilità Elettromagnetica  
 Norme Europee EN 55011 , EN 50082-1  
*89/336 EU EMC Directive adopted European Standard EN 55011 , EN50082-1*  
 \* Direttive CEE 73/23 e 93/68 sulla sicurezza elettrica in bassa tensione.  
 Norma Europea EN 61010-1  
*73/23 and 93/68 EU Directives regarding low voltage electrical safety.*  
*Adopted European Standard EN 61010-1*

**Altre Norme e Direttive / Other Directives and Standards :**

(° ) Direttiva CEE 90/384 , Requisiti metrologici per strumenti per pesare a funzionamento non automatico. Norma Europea EN 45501.  
 (°) *90/384 EU Directive, Metrological aspects of non-automatic weighing instruments.*  
*Adopted European Standard EN45501:1992*  
 (°) Solo se è presente il marchio "M" / *Only if "M" mark is applied*

**Odeca s.r.l.**

**Odeca s.r.l.**  
**Via dell'Industria,20**  
**21044 Cavaria – VA**  
**tel. +39 – 0331 219156**  
**fax. +39 – 0331 218366**  
<http://www.odeca.it>  
**e-mail : info@odeca.it**