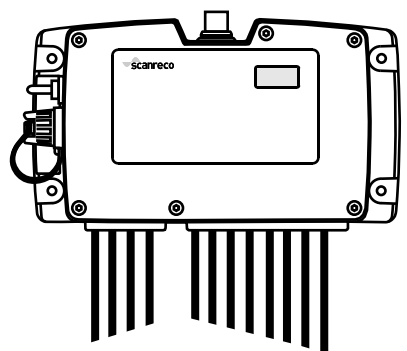
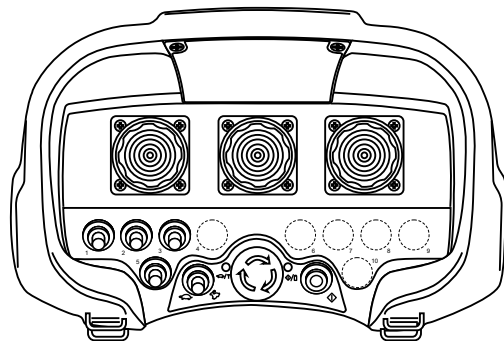


CENTRAL  
UNIT G2B  
Type 3010

Power supply  
AUX

PWM A+B proportional  
modules outputs with  
AMP connectors



**SCANRECO**  
Radio Remote Control

x2

Antenna

**x1**

Battery charger 12/24Vdc

**x1**

Neck belt

Programming cable  
L = 10m

**x1**

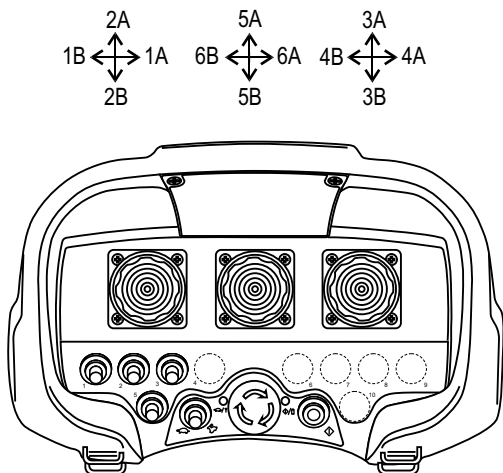
**x1**

## Manual & Documents



## ACCESSORIES

|                                                                                                                       |          |                                                    |   |
|-----------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------|---|
|  <b>scanreco</b><br>south Europe |          | CODE: <b>PR5MBM26RSSEOA6</b><br>CUST. CODE: XXXXXX |   |
| DESC: Scanreco RC400 G2B radio remote control global view with mini PCU and PWM A+B outputs                           |          |                                                    |   |
| FILE: ...IOK PoloniaRadioG2B3010 Amp mini 2-2-2\PR5MBM26RSSEOA6-0.cdr                                                 |          |                                                    |   |
| DATE:                                                                                                                 | 22/06/18 | REV:                                               | 0 |
| SHEET                                                                                                                 | 1        | OF                                                 | 3 |

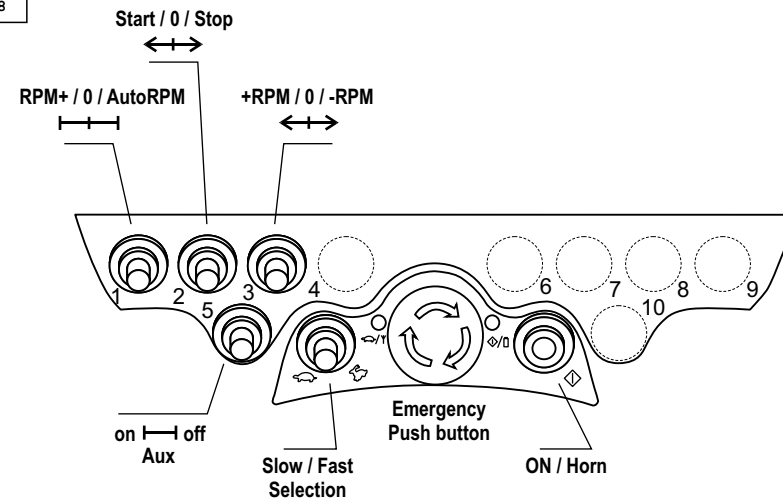


Switch connections

|      | left/up             | center | right/down |
|------|---------------------|--------|------------|
| SW1: | 1 - 0 - 8           |        |            |
| SW2: | 2 > 0 < 3           |        |            |
| SW3: | 4 > 0 < 5           |        |            |
| SW5: | 9+6 - 0             |        |            |
| ⏏    | - = detent          |        |            |
| ↔    | >/< = spring return |        |            |

Outputs map

| pos            | DF | OUT | pos | DF | OUT |
|----------------|----|-----|-----|----|-----|
| 1              | 1  | 1   | 11  | 10 | 12  |
| 2              | 3  | 2   | 12  | 11 | 13  |
| 3              | 4  | 3   | 13  | 12 | 14  |
| 4              | 7  | 4   | 14  | 13 | -   |
| 5              | 31 | 5   | 15  | 9  | -   |
| 6              | 5  | 6   | 16  | 8  | -   |
| 7              | 32 | -   | 17  | 37 | -   |
| 8              | 2  | 9   | 18  | 34 | -   |
| 9              | 6  | 10  | 19  | 35 | -   |
| 10             | 33 | 11  | 20  | 36 | -   |
| Clacson/Horn   |    |     | 17  | 7  |     |
| Emergency Stop |    |     | 40  | 8  |     |



### PCU configuration:

- PCU off time = 5 min.
- Disconnect LED activated.
- 5 levels of speed reduction active (Micro).

### CU configuration:

- CAN bus:
  - ID 100
  - Baud rate 250Kbps.
  - Slave.
  - CAN filter active.
  - Error Frame control not active.
  - Termination not active.
- Two SETs of speed:
  - SET1 multifunction.
  - SET2 monofunction with reduced speed (WMB mode = work man basket).
- SET2 is selected when Ex1.10 wire is not connected to Ex1.11 wire).
- Zero position requested for levers to come back from SET2 to SET1.
- Functions 2A and 4A are blocked when input Din1 (wire Ex1.8) is not connected to positive.
- Function 3A is blocked when input Din2 (wire Ex1.9) is not connected to positive.
- Function 3B is blocked when input Din4 (wire Ex2.8) is not connected to positive.
- Zero position requested for levers to release the blocks.

### Digital outputs:

- Maximum current: 1.8A.
- Emergency stop output (Out8): positive when PCU is connected with CU.

### DV output:

- Activated with proportional Levers/Joysticks.
- Maximum current: 2A.
- DV delay off: 0.5 sec.

### PWM outputs:

- The loads connected to the PWM outputs must have a minimum impedance of 3.7 Ohm at 12Vdc and a maximum current of 2500mA.
- Calibrations for 24Vdc RSQ240 proportional modules:
  - Imin. = 250mA, Imax. = 600mA, Frequency = 100Hz and Dither 300.

### General information:

- The programming cable is used to bypass radio mode or to program the radio remote control.
- Working frequency (Europe): 434.050 - 434.550 MHz.
- For all other radio remote control information, see the "User manual".

### AutoRPM working switch description:

When SW1 is on +RPM (left position) output Out1 remains always ON.

When SW1 is on AutoRPM (right position) output Out9 is ON while output Out1 turns ON only when a proportional lever is not in center. Out1 turns OFF with a 6 seconds delay after all levers have returned in

center. When SW1 is on neutral position, outputs Out1 and Out9 are always off.

### Note di produzione:

#### Pulsantiera:

Tempo di spegnimento pulsantiera = 5 min.  
5 livelli Micro.

Disconnect LED attivo.

#### Unità Centrale:

SET1 multifunzione e SET2 monofunzione.

Ritardo spegnimento DV 0.5 sec.

Tarature per RSQ240 24Vdc: 250/600mA, 100Hz/300..

Funzioni 2A e 4A bloccate quando Din1 (Ex1.8) non è collegato al positivo.

Funzione 3A bloccata quando Din2 (Ex1.9) non è collegato al positivo.

Funzione 3B bloccata quando Din4 (Ex2.8) non è collegato al positivo.

Richieste leve a zero per rilasciare i blocchi.

#### CAN bus:

TPDO1 prelevato a valle.

TPDO3 non attivo.

Mappatura standard bit1-32.

Terminazione non attiva.

Error frame disabilitato.

CAN filter attivo.

Slave.

SW CU: FS51284P

FW: UC 4.40, PCU 1.40 o superiori

|                                                                                       |          |             |                |       |        |
|---------------------------------------------------------------------------------------|----------|-------------|----------------|-------|--------|
|  |          | CODE:       | PR5MBM26RSSEO6 |       |        |
|                                                                                       |          | CUST. CODE: | XXXXX          |       |        |
| DESC: Scanreco mini PCU configuration and function description.                       |          |             |                |       |        |
| FILE:<br>...I\OK Polonia\Radio\G2B\3010 Amp mini 2-2\PR5MBM26RSSEO6-0.cdr             |          |             |                |       |        |
| DATE:                                                                                 | 22/06/18 | REV.        | 0              | SHEET | 2 OF 3 |

| Conn. K4 | Cable  | Description    |
|----------|--------|----------------|
| K4.1     | Ex1.1  | Out1           |
| K4.2     | Ex1.2  | Out2           |
| K4.3     | Ex1.3  | Out3           |
| K4.4     | Ex1.4  | Out4           |
| K4.5     | Ex1.5  | Out5           |
| K4.6     | Ex1.6  | Out6           |
| K4.7     | Ex1.7  | GND            |
| K4.8     | Ex1.8  | Din1           |
| K4.9     | Ex1.9  | Din2           |
| K4.10    | Ex1.10 | Din3           |
| K4.11    | Ex1.11 | +Vdc in Remote |

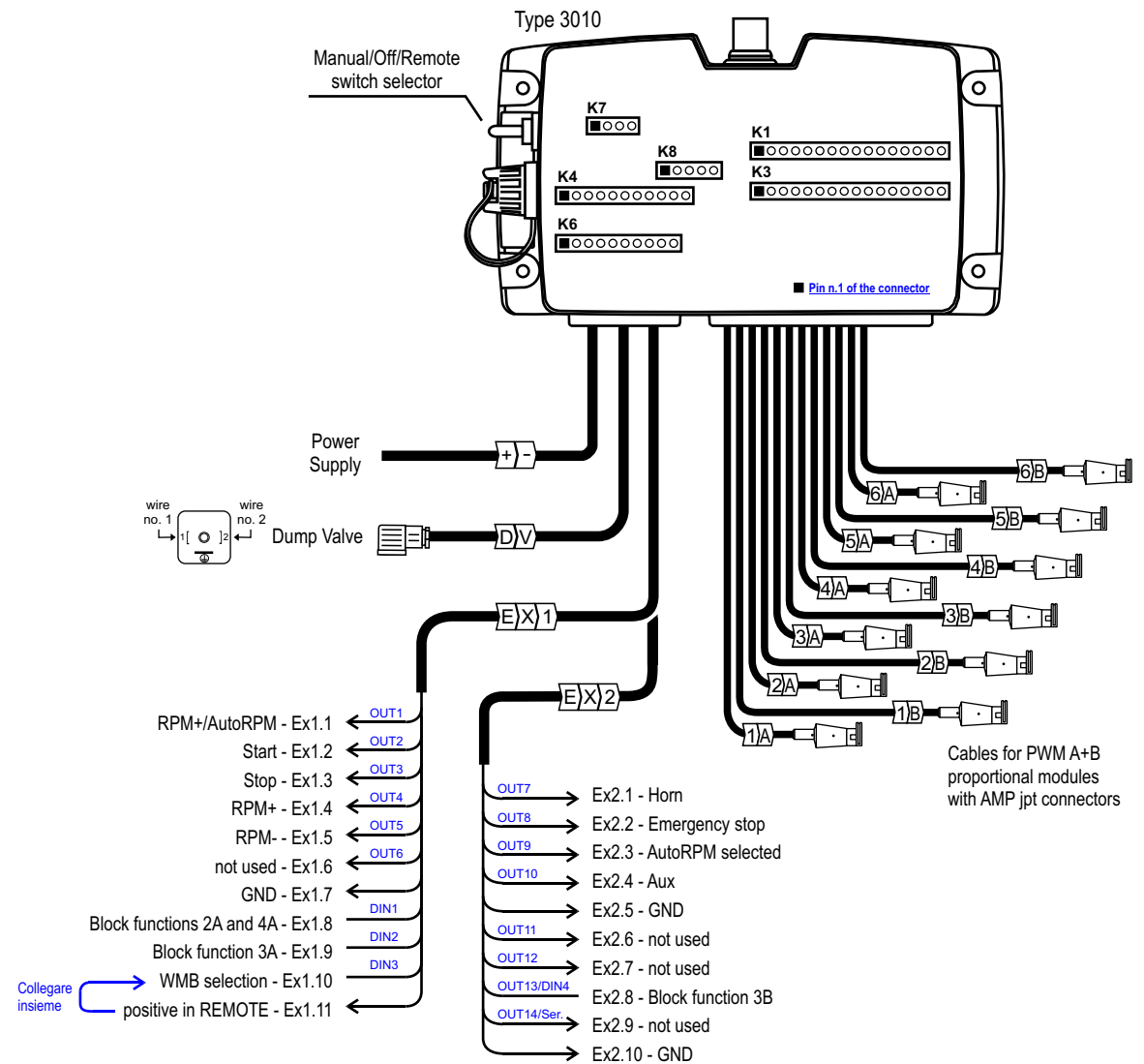
| Conn. K7 | Cable | Description  |
|----------|-------|--------------|
| K7.1     | +/-1  | + 24Vdc      |
| K7.2     | +/-2  | GND          |
| K7.3     | DV.1  | + Dump valve |
| K7.4     | DV.2  | GND          |

| Conn. K1      | Cable | Description |
|---------------|-------|-------------|
| Function no.1 | K1.1  | 1A.1 PWM 1a |
|               | K1.2  | 1A.2 GND    |
|               | K1.3  | 1B.1 PWM 1b |
|               | K1.4  | 1B.2 GND    |
| Function no.2 | K1.5  | 2A.1 PWM 2a |
|               | K1.6  | 2A.2 GND    |
|               | K1.7  | 2B.1 PWM 2b |
|               | K1.8  | 2B.2 GND    |
| Function no.3 | K1.9  | 3A.1 PWM 3a |
|               | K1.10 | 3A.2 GND    |
|               | K1.11 | 3B.1 PWM 3b |
|               | K1.12 | 3B.2 GND    |
| Function no.4 | K1.13 | 4A.1 PWM 4a |
|               | K1.14 | 4A.2 GND    |
|               | K1.15 | 4B.1 PWM 4b |
|               | K1.16 | 4B.2 GND    |

| Conn. K6 | Cable  | Description  |
|----------|--------|--------------|
| K6.1     | Ex2.1  | Out7         |
| K6.2     | Ex2.2  | Out8         |
| K6.3     | Ex2.3  | Out9         |
| K6.4     | Ex2.4  | Out10        |
| K6.5     | Ex2.5  | GND          |
| K6.6     | Ex2.6  | Out11        |
| K6.7     | Ex2.7  | Out12        |
| K6.8     | Ex2.8  | Out13/Din4   |
| K6.9     | Ex2.9  | Out14/Serial |
| K6.10    | Ex2.10 | GND          |

| Conn. K8 | Cable | Description |
|----------|-------|-------------|
| K8.1     | -     | CAN-H       |
| K8.2     | -     | CAN-L       |
| K8.3     | -     | CAN-GND     |
| K8.4     | -     | CAN-H       |
| K8.5     | -     | CAN-L       |

| Conn. K3      | Cable | Description |
|---------------|-------|-------------|
| Function no.5 | K3.1  | 5A.1 PWM 5a |
|               | K3.2  | 5A.2 GND    |
|               | K3.3  | 5B.1 PWM 5b |
|               | K3.4  | 5B.2 GND    |
| Function no.6 | K3.5  | 6A.1 PWM 6a |
|               | K3.6  | 6A.2 GND    |
|               | K3.7  | 6B.1 PWM 6b |
|               | K3.8  | 6B.2 GND    |
| Function no.7 | K3.9  | - PWM 7a    |
|               | K3.10 | - GND       |
|               | K3.11 | - PWM 7b    |
|               | K3.12 | - GND       |
| Function no.8 | K3.13 | - PWM 8a    |
|               | K3.14 | - GND       |
|               | K3.15 | - PWM 8b    |
|               | K3.16 | - GND       |



| Wiring harness code/length                           |                         | Prop . connection |
|------------------------------------------------------|-------------------------|-------------------|
| Wiring code: 47752                                   | Wiring code: 48238      | <p>AMP jpt</p>    |
| +/- - 2,35m<br>DV - 1,9m<br>EX1 - 2,9m<br>EX2 - 2,9m | Proport. outputs - 1,8m |                   |

|                                                                              |        |                               |
|------------------------------------------------------------------------------|--------|-------------------------------|
|                                                                              |        | CODE: <b>PR5MBM26RSSEO A6</b> |
|                                                                              |        | CUST. CODE: XXXXX             |
| DESC: Connections for PWM A+B central unit with wirings and DIN connectors.  |        |                               |
| FILE: ... \OK Polonia \Radio \G2B \3010 Amp mini 2-2 \PR5MBM26RSSEO A6-0.cdr |        |                               |
| DATE: 22/06/18                                                               | REV. 0 | SHEET 3 OF 3                  |